

***F*flexion™**

PNEUMATICS



***YOUR
FLUID
POWER
SOLUTION***

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Flexion™

POLYMER PUSH IN FITTINGS

High quality Push In Fittings in composite materials. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The composite fittings incorporate a wide range of sizes: All the popular variants, with an extended range of combinations of tube to thread size that reduce the requirement for adaptors, keeping cost and installation time down. All the straight fittings have an internal hex, allowing fitting into ports with limited access.

The premier one-touch tube joint system

- Simple and quick to install
- Flexible space-saving design
- Wide range to suit all applications
- Compatible with all other leading systems
- Tubing can be freely rotated, even after installation
- All taper threads are pre-coated with PTFE



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet. Tubing diameter is marked on the collet.



2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration.



3. NICKEL PLATED BRASS COMPONENTS

Quality plated brass parts to give high corrosion resistance.



4. O-RING SEAL

For parallel threads. Taper threads are pre-coated with PTFE sealant.

FLEXION Push in fitting nickel plated brass-PBT straight male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPC4-M5-FX
4	M6	EPC4-M6-FX
4	M8	EPC4-M8-FX
4	1/8	EPC4-G01-FX
4	1/4	EPC4-G02-FX
6	M5	EPC6-M5-FX
6	1/8	EPC6-G01-FX
6	1/4	EPC6-G02-FX
6	3/8	EPC6-G03-FX
6	1/2	EPC6-G04-FX
8	1/8	EPC8-G01-FX
8	1/4	EPC8-G02-FX
8	3/8	EPC8-G03-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/2	EPC8-G04-FX
10	1/8	EPC10-G01-FX
10	1/4	EPC10-G02-FX
10	3/8	EPC10-G03-FX
10	1/2	EPC10-G04-FX
12	1/4	EPC12-G02-FX
12	3/8	EPC12-G03-FX
12	1/2	EPC12-G04-FX
14	3/8	EPC14-G03-FX
14	1/2	EPC14-G04-FX
16	3/8	EPC16-G03-FX
16	1/2	EPC16-G04-FX

FLEXION Push in fitting nickel plated brass-PBT straight male BSPT(R)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPC4-01-FX
4	1/4	EPC4-02-FX
6	1/8	EPC6-01-FX
6	1/4	EPC6-02-FX
6	3/8	EPC6-03-FX
6	1/2	EPC6-04-FX
8	1/8	EPC8-01-FX
8	1/4	EPC8-02-FX
8	3/8	EPC8-03-FX
8	1/2	EPC8-04-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
10	1/8	EPC10-01-FX
10	1/4	EPC10-02-FX
10	3/8	EPC10-03-FX
10	1/2	EPC10-04-FX
12	1/4	EPC12-02-FX
12	3/8	EPC12-03-FX
12	1/2	EPC12-04-FX
16	3/8	EPC16-03-FX
16	1/2	EPC16-04-FX

FLEXION Push in fitting nickel plated brass round straight male BSPT(R) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPOC4-M5-FX
4	M6	EPOC4-M6-FX
4	1/8	EPOC4-01-FX
6	M5	EPOC6-M5-FX
6	1/8	EPOC6-01-FX
6	1/4	EPOC6-02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	EPOC8-01-FX
8	1/4	EPOC8-02-FX
10	1/8	EPOC10-01-FX
10	1/4	EPOC10-02-FX
12	3/8	EPOC12-03-FX
12	1/2	EPOC12-04-FX

FLEXION Push in fitting nickel plated brass-PBT straight female BSPP(G)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPCF4-G01-FX
4	1/4	EPCF4-G02-FX
6	1/8	EPCF6-G01-FX
6	1/4	EPCF6-G02-FX
6	3/8	EPCF6-G03-FX
6	1/2	EPCF6-G04-FX
8	1/8	EPCF8-G01-FX
8	1/4	EPCF8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EPCF8-G03-FX
8	1/2	EPCF8-G04-FX
10	1/4	EPCF10-G02-FX
10	3/8	EPCF10-G03-FX
10	1/2	EPCF10-G04-FX
12	1/4	EPCF12-G02-FX
12	3/8	EPCF12-G03-FX
12	1/2	EPCF12-G04-FX

FLEXION Push in fitting nickel plated brass-PBT elbow male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPL4-M5-FX
4	1/8	EPL4-G01-FX
4	1/4	EPL4-G02-FX
6	M5	EPL6-M5-FX
6	1/8	EPL6-G01-FX
6	1/4	EPL6-G02-FX
6	3/8	EPL6-G03-FX
6	1/2	EPL6-G04-FX
8	1/8	EPL8-G01-FX
8	1/4	EPL8-G02-FX
8	3/8	EPL8-G03-FX
8	1/2	EPL8-G04-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
10	1/8	EPL10-G01-FX
10	1/4	EPL10-G02-FX
10	3/8	EPL10-G03-FX
10	1/2	EPL10-G04-FX
12	1/4	EPL12-G02-FX
12	3/8	EPL12-G03-FX
12	1/2	EPL12-G04-FX
14	1/4	EPL14-G02-FX
14	1/2	EPL14-G04-FX
16	3/8	EPL16-G03-FX
16	1/2	EPL16-G04-FX

FLEXION Push in fitting nickel plated brass-PBT elbow male BSPT(R)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPL4-01-FX
4	1/4	EPL4-02-FX
6	1/8	EPL6-01-FX
6	1/4	EPL6-02-FX
6	3/8	EPL6-03-FX
6	1/2	EPL6-04-FX
8	1/8	EPL8-01-FX
8	1/4	EPL8-02-FX
8	3/8	EPL8-03-FX
8	1/2	EPL8-04-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
10	1/8	EPL10-01-FX
10	1/4	EPL10-02-FX
10	3/8	EPL10-03-FX
10	1/2	EPL10-04-FX
12	1/4	EPL12-02-FX
12	3/8	EPL12-03-FX
12	1/2	EPL12-04-FX
16	3/8	EPL16-03-FX
16	1/2	EPL16-04-FX

FLEXION Push in fitting nickel plated brass-PBT long elbow male BSPP(G) and metric

TECHNICAL DATA



Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EGPLL4-M5-FX
4	1/8	EGPLL4-G01-FX
4	1/4	EGPLL4-G02-FX
6	M5	EGPLL6-M5-FX
6	1/8	EGPLL6-G01-FX
6	1/4	EGPLL6-G02-FX
6	3/8	EGPLL6-G03-FX
8	1/8	EGPLL8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	EGPLL8-G02-FX
8	3/8	EGPLL8-G03-FX
10	1/4	EGPLL10-G02-FX
10	3/8	EGPLL10-G03-FX
10	1/2	EGPLL10-G04-FX
12	1/4	EGPLL12-G02-FX
12	3/8	EGPLL12-G03-FX
12	1/2	EGPLL12-G04-FX

FLEXION Push in fitting nickel plated brass-PBT long elbow male BSPT(R)

TECHNICAL DATA



Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Pre-coated thread Polytetrafluoroethylene (PTFE)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EGPLL4-01-FX
4	1/4	EGPLL4-02-FX
6	1/8	EGPLL6-01-FX
6	1/4	EGPLL6-02-FX
6	3/8	EGPLL6-03-FX
8	1/8	EGPLL8-01-FX
8	1/4	EGPLL8-02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EGPLL8-03-FX
10	1/4	EGPLL10-02-FX
10	3/8	EGPLL10-03-FX
10	1/2	EGPLL10-04-FX
12	1/4	EGPLL12-02-FX
12	3/8	EGPLL12-03-FX
12	1/2	EGPLL12-04-FX

FLEXION Push in fitting nickel plated brass-PBT female male BSPP(G)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
6	1/8	EPLF6-G01-FX
6	1/4	EPLF6-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	EPLF8-G01-FX
8	1/4	EPLF8-G02-FX

FLEXION Push in fitting nickel plated brass-PBT tee male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPB4-M5-FX
4	1/8	EPB4-G01-FX
4	1/4	EPB4-G02-FX
6	M5	EPB6-M5-FX
6	1/8	EPB6-G01-FX
6	1/4	EPB6-G02-FX
6	3/8	EPB6-G03-FX
6	1/2	EPB6-G04-FX
8	1/8	EPB8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	EPB8-G02-FX
8	3/8	EPB8-G03-FX
8	1/2	EPB8-G04-FX
10	1/4	EPB10-G02-FX
10	3/8	EPB10-G03-FX
10	1/2	EPB10-G04-FX
12	1/4	EPB12-G02-FX
12	3/8	EPB12-G03-FX
12	1/2	EPB12-G04-FX

FLEXION Push in fitting nickel plated brass-PBT tee male BSPT(R)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPB4-01-FX
4	1/4	EPB4-02-FX
6	1/8	EPB6-01-FX
6	1/4	EPB6-02-FX
6	3/8	EPB6-03-FX
6	1/2	EPB6-04-FX
8	1/8	EPB8-01-FX
8	1/4	EPB8-02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EPB8-03-FX
8	1/2	EPB8-04-FX
10	1/4	EPB10-02-FX
10	3/8	EPB10-03-FX
10	1/2	EPB10-04-FX
12	1/4	EPB12-02-FX
12	3/8	EPB12-03-FX
12	1/2	EPB12-04-FX

FLEXION Push in fitting nickel plated brass-PBT Y male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPX4-M5-FX
4	1/8	EPX4-G01-FX
4	1/4	EPX4-G02-FX
6	M5	EPX6-M5-FX
6	1/8	EPX6-G01-FX
6	1/4	EPX6-G02-FX
6	3/8	EPX6-G03-FX
6	1/2	EPX6-G04-FX
8	1/8	EPX8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	EPX8-G02-FX
8	3/8	EPX8-G03-FX
8	1/2	EPX8-G04-FX
10	1/4	EPX10-G02-FX
10	3/8	EPX10-G03-FX
10	1/2	EPX10-G04-FX
12	1/4	EPX12-G02-FX
12	3/8	EPX12-G03-FX
12	1/2	EPX12-G04-FX

FLEXION Push in fitting nickel plated brass-PBT Y male BSPT(R)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPX4-01-FX
4	1/4	EPX4-02-FX
6	1/8	EPX6-01-FX
6	1/4	EPX6-02-FX
6	3/8	EPX6-03-FX
6	1/2	EPX6-04-FX
8	1/8	EPX8-01-FX
8	1/4	EPX8-02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EPX8-03-FX
8	1/2	EPX8-04-FX
10	1/4	EPX10-02-FX
10	3/8	EPX10-03-FX
10	1/2	EPX10-04-FX
12	1/4	EPX12-02-FX
12	3/8	EPX12-03-FX
12	1/2	EPX12-04-FX

FLEXION Push in fitting PBT union straight metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	EPU4-FX
6	EPU6-FX
8	EPU8-FX
10	EPU10-FX

Tube Outside Diameter	Flexion code
mm	
12	EPU12-FX
14	EPU14-FX
16	EPU16-FX

FLEXION Push in fitting PBT straight union reducer metric



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
6	4	EPG6-4-FX
8	6	EPG8-6-FX
10	6	EPG10-6-FX
10	8	EPG10-8-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
12	8	EPG12-8-FX
12	10	EPG12-10-FX
16	12	EPG16-12-FX

FLEXION Push in fitting PBT elbow union metric



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	EPV4-FX
6	EPV6-FX
8	EPV8-FX
10	EPV10-FX

Tube Outside Diameter	Flexion code
mm	
12	EPV12-FX
14	EPV14-FX
16	EPV16-FX

FLEXION Push in fitting PBT tee union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	EPE4-FX
6	EPE6-FX
8	EPE8-FX
10	EPE10-FX

Tube Outside Diameter	Flexion code
mm	
12	EPE12-FX
14	EPE14-FX
16	EPE16-FX

FLEXION Push in fitting PBT unequal tee union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
2 x 6	4	EPEG6-4-FX
2 x 6	4	EPEW6-4-FX
2 x 8	6	EPEG8-6-FX
2 x 6	8	EPEW8-6-FX
2 x 10	6	EPEG10-6-FX
2 x 8	10	EPEW10-8-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
2 x 10	8	EPEG10-8-FX
2 x 10	12	EPEW12-10-FX
2 x 12	8	EPEG12-8-FX
2 x 12	10	EPEG12-10-FX
2 x 16	12	EPEG16-12-FX

FLEXION Push in fitting PBT union Y metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	EPY4-FX
6	EPY6-FX
8	EPY8-FX
10	EPY10-FX

Tube Outside Diameter	Flexion code.
mm	
12	EPY12-FX
14	EPY14-FX
16	EPY16-FX

FLEXION Push in fitting PBT Y union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code.
mm	mm	
6	2 x 4	EPW6-4-FX
8	2 x 6	EPW8-6-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code.
mm	mm	
10	2 x 8	EPW10-8-FX
12	2 x 10	EPW12-10-FX

FLEXION Push in fitting PBT cross union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	EPZA4-FX
6	EPZA6-FX
8	EPZA8-FX

Tube Outside Diameter	Flexion code.
mm	
10	EPZA10-FX
12	EPZA12-FX

FLEXION Push in fitting nickel plated brass bulkhead union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	EPM4-FX
6	EPM6-FX
8	EPM8-FX

Tube Outside Diameter	Flexion code
mm	
10	EPM10-FX
12	EPM12-FX
16	EPM16-FX

FLEXION Push in fitting nickel plated brass female bulkhead union BSPP(G)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	EPMF4-G01-FX
6	1/8	EPMF6-G01-FX
6	1/4	EPMF6-G02-FX
8	1/8	EPMF8-G01-FX
8	1/4	EPMF8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
10	1/4	EPMF10-G02-FX
10	3/8	EPMF10-G03-FX
12	1/4	EPMF12-G02-FX
12	3/8	EPMF12-G03-FX
12	1/2	EPMF12-G04-FX

FLEXION Push in fitting PBT stem reducer metric



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Stem Outside Diameter	Flexion code:
mm	mm	
4	6	EPGJ6-4-FX
4	8	EPGJ8-4-FX
6	8	EPGJ8-6-FX
6	10	EPGJ10-6-FX

Tube Outside Diameter	Stem Outside Diameter	Flexion code:
mm	mm	
8	10	EPGJ10-8-FX
6	12	EPGJ12-6-FX
8	12	EPGJ12-8-FX
10	12	EPGJ12-10-FX

FLEXION Push in fitting nickel plated brass-PBT stem elbow metric



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code:
mm	
4	EPLJ4-FX
6	EPLJ6-FX
8	EPLJ8-FX

Tube Outside Diameter	Flexion code:
mm	
10	EPLJ10-FX
12	EPLJ12-FX

FLEXION Push in fitting nickel plated brass-PBT Y socket union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	EPYJ04-FX
6	EPYJ06-FX
8	EPYJ08-FX

Tube Outside Diameter	Flexion code.
mm	
10	EPYJ10-FX
12	EPYJ12-FX

FLEXION Push in fitting PBT female plug metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	EPPE4-FX
6	EPPE6-FX
8	EPPE8-FX

Tube Outside Diameter	Flexion code.
mm	
10	EPPE10-FX
12	EPPE12-FX

FLEXION Push in fitting PBT tube spicer/stem



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Stem Outside Diameter	Flexion code.
mm	
4	EPJJ4-FX
6	EPJJ6-FX
8	EPJJ8-FX

Stem Outside Diameter	Flexion code.
mm	
10	EPJJ10-FX
12	EPJJ12-FX
16	EPJJ16-FX

FLEXION Push in fitting PBT reducer tube spicer/stem



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Stem Outside Diameter	Stem Outside Diameter Unequal	Flexion code:
mm	mm	
6	4	EPIG6-4-FX
8	6	EPIG8-6-FX
10	6	EPIG10-6-FX
10	8	EPIG10-8-FX

Stem Outside Diameter	Stem Outside Diameter Unequal	Flexion code:
mm	mm	
12	10	EPIG12-10-FX
12	8	EPIG12-8-FX
16	12	EPIG16-12-FX

FLEXION Push in fitting PBT plug metric



TECHNICAL DATA

Operating temperature -15 - 80 °C
Operating pressure -0.75 - 10 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code:
mm	
4	EPP4-FX
6	EPP6-FX
8	EPP8-FX

Tube Outside Diameter	Flexion code:
mm	
10	EPP10-FX
12	EPP12-FX

FLEXION Push in fitting PBT triple union metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
6	4	EPKG6-4-FX
8	4	EPKG8-4-FX
8	6	EPKG8-6-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code
mm	mm	
10	6	EPKG10-6-FX
10	8	EPKG10-8-FX

FLEXION Push in fitting nickel plated brass-PBT universal elbow BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPH4-M5-FX
4	1/8	EPH4-G01-FX
4	1/4	EPH4-G02-FX
6	M5	EPH6-M5-FX
6	1/8	EPH6-G01-FX
6	1/4	EPH6-G02-FX
6	3/8	EPH6-G03-FX
6	1/2	EPH6-G04-FX
8	1/8	EPH8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	EPH8-G02-FX
8	3/8	EPH8-G03-FX
8	1/2	EPH8-G04-FX
10	1/4	EPH10-G02-FX
10	3/8	EPH10-G03-FX
10	1/2	EPH10-G04-FX
12	1/4	EPH12-G02-FX
12	3/8	EPH12-G03-FX
12	1/2	EPH12-G04-FX

FLEXION Push in fitting nickel plated brass-PBT single universal elbow BSPP(G)



TECHNICAL DATA

Operating temperature	-15 - 80 °C
Operating pressure	-0.75 - 10 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
6	1/8	EPGL6-G01(1)-FX
8	1/8	EPGL8-G01(1)-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	EPGL8-G02(1)-FX
12	1/4	EPGL12-G02(1)-FX

Flexion™

POLYMER FUNCTION PUSH IN FITTINGS

High quality Function Push In Fittings in composite materials. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The premier one-touch tube joint system

- Simple and quick to install
- Flexible space-saving design
- Wide range to suit all applications
- Compatible with all other leading systems
- Tubing can be freely rotated, even after installation
- All taper threads are pre-coated with PTFE



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet. Tubing diameter is marked on the collet.



2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration



3. NICKEL PLATED BRASS COMPONENTS

Quality plated brass parts to give high corrosion resistance.



4. O-RING SEAL

For parallel threads.
Taper threads are pre-coated with PTFE sealant.

FLEXION Speed control fitting PBT Uni-directional flow control



TECHNICAL DATA

Control Method	Uni-directional
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Flexion code
4	ESA4-FX
6	ESA6-FX
8	ESA8-FX
10	ESA10-FX
12	ESA12-FX

FLEXION Speed control elbow fitting nickel plated brass-PBT Meter-out flow control BSPP(G) and metric



TECHNICAL DATA

Control Method	Meter-out
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	ESL4-M5-FX
4	1/8	ESL4-G01-FX
6	M5	ESL6-M5-FX
6	1/8	ESL6-G01-FX
6	1/4	ESL6-G02-FX
6	3/8	ESL6-G03-FX
8	1/8	ESL8-G01-FX
8	1/4	ESL8-G02-FX
8	3/8	ESL8-G03-FX
8	1/2	ESL8-G04-FX
10	1/4	ESL10-G02-FX
10	3/8	ESL10-G03-FX
10	1/2	ESL10-G04-FX
12	1/4	ESL12-G02-FX
12	3/8	ESL12-G03-FX
12	1/2	ESL12-G04-FX

FLEXION Speed control elbow fitting nickel plated brass-PBT Meter-in flow control BSPP(G) and metric



TECHNICAL DATA

Control Method	Meter-in
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	ESL4-M5B-FX
6	M5	ESL6-M5B-FX
6	1/8	ESL6-G01B-FX
6	1/4	ESL6-G02B-FX
6	3/8	ESL6-G03B-FX
8	1/8	ESL8-G01B-FX
8	1/4	ESL8-G02B-FX
8	3/8	ESL8-G03B-FX

FLEXION Speed control elbow fitting nickel plated brass-PBT Meter-out flow control BSPT(R)



TECHNICAL DATA

Control Method	Meter-out
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	1/8	ESL4-01-FX
6	1/8	ESL6-01-FX
6	1/4	ESL6-02-FX
8	1/8	ESL8-01-FX
8	1/4	ESL8-02-FX
8	3/8	ESL8-03-FX
8	1/2	ESL8-04-FX
10	1/4	ESL10-02-FX
10	3/8	ESL10-03-FX
10	1/2	ESL10-04-FX
12	1/4	ESL12-02-FX
12	3/8	ESL12-03-FX
12	1/2	ESL12-04-FX

FLEXION Screwdrive speed control elbow fitting nickel plated brass-PBT Meter-out flow control BSPP(G) and metric



TECHNICAL DATA

Control Method	Meter-out
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	ESL4-M5-DC-FX
4	1/8	ESL4-G01-DC-FX
6	M5	ESL6-M5-DC-FX
6	1/8	ESL6-G01-DC-FX
6	1/4	ESL6-G02-DC-FX
8	1/8	ESL8-G01-DC-FX
8	1/4	ESL8-G02-DC-FX
8	3/8	ESL8-G03-DC-FX
10	1/4	ESL10-G02-DC-FX
10	3/8	ESL10-G03-DC-FX

FLEXION Screwdrive speed control elbow fitting nickel plated brass-PBT Meter-in flow control BSPP(G) and metric



TECHNICAL DATA

Control Method	Meter-in
Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	ESL4-M5B-DC-FX
6	M5	ESL6-M5B-DC-FX
6	1/8	ESL6-G01B-DC-FX
8	1/8	ESL8-G01B-DC-FX
8	1/4	ESL8-G02B-DC-FX
10	1/4	ESL10-G02B-DC-FX

FLEXION Hand valve two-way PBT



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Flexion code
6	EHVFF06-06B-FX
8	EHVFF08-08B-FX
10	EHVFF10-10B-FX
12	EHVFF12-12B-FX

FLEXION Hand valve three-way PBT



TECHNICAL DATA

Operating pressure	-0,75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Flexion code
6	EHVFF06-06-FX
8	EHVFF08-08-FX
10	EHVFF10-10-FX
12	EHVFF12-12-FX

FLEXION Hand valve two-way PBT BSPP(G)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Thread size	Flexion code
1/8	EHVSSG01-G01B-FX
1/4	EHVSSG02-G02B-FX
3/8	EHVSSG03-G03B-FX
1/2	EHVSSG04-G04B-FX

FLEXION Hand valve two-way PBT BSPT(R)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Thread size	Flexion code
1/8	EHVSS01-01B-FX
1/4	EHVSS02-02B-FX
3/8	EHVSS03-03B-FX
1/2	EHVSS04-04B-FX

FLEXION Hand valve three-way PBT BSPP(G)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Thread size	Flexion code
1/8	EHVSSG01-G01-FX
1/4	EHVSSG02-G02-FX
3/8	EHVSSG03-G03-FX
1/2	EHVSSG04-G04-FX

FLEXION Hand valve two-way nickel plated brass-PBT BSPP(G)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
6	1/8	EHVFS06-G01B-FX
6	1/4	EHVFS06-G02B-FX
8	1/4	EHVFS08-G02B-FX
8	3/8	EHVFS08-G03B-FX
10	1/4	EHVFS10-G02B-FX
10	3/8	EHVFS10-G03B-FX
12	1/2	EHVFS10-G04B-FX
12	1/2	EHVFS12-G04B-FX

FLEXION Hand valve two-way nickel plated brass-PBT BSPT(R)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
6	1/8	EHVFS06-01B-FX
6	1/4	EHVFS06-02B-FX
8	1/4	EHVFS08-02B-FX
8	3/8	EHVFS08-03B-FX
10	1/4	EHVFS10-02B-FX
10	3/8	EHVFS10-03B-FX
10	1/4	EHVFS10-04B-FX
12	1/2	EHVFS12-04B-FX

FLEXION Hand valve three-way nickel plated brass-PBT BSPP(G)



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Threadsize	Flexion code
6	1/8	EHVFS06-G01-FX
6	1/4	EHVFS06-G02-FX
8	1/4	EHVFS08-G02-FX
8	3/8	EHVFS08-G03-FX
10	1/4	EHVFS10-G02-FX
10	3/8	EHVFS10-G03-FX
12	1/2	EHVFS10-G04-FX
12	1/2	EHVFS12-G04-FX

FLEXION In-line non return valve PBT



TECHNICAL DATA

Operating pressure	-0.75 - 10 bar
Operating temperature	0 - 60 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Flexion code
4	EPCVU04-FX
6	EPCVU06-FX
8	EPCVU08-FX

Flexion™

MINIATURE POLYMER PUSH IN FITTINGS

High quality Miniature Push In Fittings in composite materials. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The composite miniature fittings range is limited. With a size of 40% of a normal Polymer Push In fitting, this product range represents a successful miniaturization development.

The premier one-touch tube joint system

- Space reduction of 60%
- Simple and quick to install
- Flexible space-saving design
- Ovale sleeve
- Solution for the M3 AND M4 threads



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet. Tubing diameter is marked on the collet.



2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration.



3. NICKEL PLATED BRASS COMPONENTS

Quality plated brass parts to give high corrosion resistance.



4. O-RING SEAL

For parallel threads. Taper threads are pre-coated with PTFE sealant.



FLEXION Miniature push in fitting nickel plated brass-PBT straight male BSPT(R) to metric tube



TECHNICAL DATA

Operating temperature	0 - 60 °C
Operating pressure	-0.75 - 8 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
3	M3	EPC3-M3C-FX
3	M5	EPC3-M5C-FX
4	M5	EPC4-M5C-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
6	M5	EPC6-M5C-FX
6	1/8	EPC6-01C-FX

FLEXION Miniature push in fitting nickel plated brass-PBT elbow metric male to metric tube



TECHNICAL DATA

Operating temperature	0 - 60 °C
Operating pressure	-0.75 - 8 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
3	M3	EPL3-M3C-FX
3	M4	EPL3-M4C-FX
3	M5	EPL3-M5C-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPL4-M5C-FX
6	M5	EPL6-M5C-FX
6	M6	EPL6-M6C-FX

FLEXION Miniature push in fitting PBT union straight metric



TECHNICAL DATA

Operating temperature	0 - 60 °C
Operating pressure	-0.75 - 8 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
3	EPU3C-FX
4	EPU4C-FX

Tube Outside Diameter	Flexion code
mm	
6	EPU6C-FX

FLEXION Miniature push in fitting PBT straight union reducer



TECHNICAL DATA

Operating temperature 0 - 60 °C
Operating pressure -0.75 - 8 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code:
mm	mm	
4	3	EPG4-3C-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code:
mm	mm	
6	4	EPG6-4C-FX

FLEXION Miniature push in fitting PBT elbow union metric



TECHNICAL DATA

Operating temperature 0 - 60 °C
Operating pressure -0.75 - 8 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code:
mm	
3	EPV3C-FX

Tube Outside Diameter	Flexion code:
mm	
4	EPV4C-FX

FLEXION Miniature push in fitting PBT tee union



TECHNICAL DATA

Operating temperature 0 - 60 °C
Operating pressure -0.75 - 8 bar
Seal material NBR (nitrile rubber)
Release sleeve material Polyoxymethylene (POM)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code:
mm	
4	EPE4C-FX

Tube Outside Diameter	Flexion code:
mm	
6	EPE6C-FX

FLEXION Miniature push in fitting PBT union Y



TECHNICAL DATA

Operating temperature	0 - 60 °C
Operating pressure	-0.75 - 8 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Polyoxymethylene (POM)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	EPY4C-FX

Tube Outside Diameter	Flexion code
mm	
6	EPY6C-FX

Flexion™

BRASS PUSH IN FITTINGS

High quality Push In Fittings in nickel plated brass. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The brass fittings incorporate a wide range of sizes: All the popular variants, with an extended range of combinations of tube to thread size that reduce the requirement for adaptors, keeping cost and installation time down.

The brass "Automatic push-in fitting" line enables quick connections with calibrated plastic hoses at any time, at any stage of the pneumatic circuit and by a simple hand movement. The connection and the fitting tightness are made possible by the presence of the stainless steel grip and of an O-ring inside the fitting so that once the tube is inserted to the bottom of the fitting, the stainless collet grips onto it and prevents it from being released. The tube disconnection is then possible by pushing onto the outer metal release ring.



1

2



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1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet.

2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration and pressure surges.

3. O-RING SEAL

For parallel threads.

Taper threads are pre-coated with PTFE sealant.

FLEXION Push in fitting nickel plated brass straight male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code.
mm		
4	M5	MPC4-M5-FX
4	1/8	MPC4-G01-FX
4	1/4	MPC4-G02-FX
6	M5	MPC6-M5-FX
6	1/8	MPC6-G01-FX
6	1/4	MPC6-G02-FX
8	1/8	MPC8-G01-FX
8	1/4	MPC8-G02-FX
8	3/8	MPC8-G03-FX

Tube Outside Diameter	Thread size	Flexion code.
mm		
10	1/4	MPC10-G02-FX
10	3/8	MPC10-G03-FX
10	1/2	MPC10-G04-FX
12	1/4	MPC12-G02-FX
12	3/8	MPC12-G03-FX
12	1/2	MPC12-G04-FX
14	3/8	MPC14-G03-FX
14	1/2	MPC14-G04-FX

FLEXION Push in fitting nickel plated brass straight male BSPT(R)



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code.
mm		
4	1/8	MPC4-01-FX
4	1/4	MPC4-02-FX
6	1/8	MPC6-01-FX
6	1/4	MPC6-02-FX
8	1/8	MPC8-01-FX
8	1/4	MPC8-02-FX
8	3/8	MPC8-03-FX
10	1/4	MPC10-02-FX

Tube Outside Diameter	Thread size	Flexion code.
mm		
10	3/8	MPC10-03-FX
10	1/2	MPC10-04-FX
12	1/4	MPC12-02-FX
12	3/8	MPC12-03-FX
12	1/2	MPC12-04-FX
14	3/8	MPC14-03-FX
14	1/2	MPC14-04-FX

FLEXION Push in fitting nickel plated brass straight female BSPP(G)



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	MPCF4-G01-FX
6	1/8	MPCF6-G01-FX
6	1/4	MPCF6-G02-FX
8	1/8	MPCF8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	MPCF8-G02-FX
10	1/4	MPCF10-G02-FX
10	3/8	MPCF10-G03-FX

FLEXION Stem adaptor male nickel plated brass BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	MPSA4-M5-FX
4	1/8	MPSA4-G01-FX
4	1/4	MPSA4-G02-FX
6	M5	MPSA6-M5-FX
6	1/8	MPSA6-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
6	1/4	MPSA6-G02-FX
8	1/8	MPSA8-G01-FX
8	1/4	MPSA8-G02-FX
10	1/4	MPSA10-G02-FX
10	3/8	MPSA10-G03-FX

FLEXION Push in fitting nickel plated brass male elbow BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	MPL4-M5-FX
4	M6	MPL4-M6-FX
4	1/8	MPL4-G01-FX
4	1/4	MPL4-G02-FX
6	M5	MPL6-M5-FX
6	1/8	MPL6-G01-FX
6	1/4	MPL6-G02-FX
8	1/8	MPL8-G01-FX
8	1/4	MPL8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	MPL8-G03-FX
10	1/4	MPL10-G02-FX
10	3/8	MPL10-G03-FX
10	1/2	MPL10-G04-FX
12	1/4	MPL12-G02-FX
12	3/8	MPL12-G03-FX
12	1/2	MPL12-G04-FX
14	3/8	MPL14-G03-FX
14	1/2	MPL14-G04-FX

FLEXION Push in fitting nickel plated brass male elbow BSPT(R)



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	MPL4-01-FX
4	1/4	MPL4-02-FX
6	1/8	MPL6-01-FX
6	1/4	MPL6-02-FX
8	1/8	MPL8-01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	MPL8-02-FX
10	1/4	MPL10-02-FX
10	3/8	MPL10-03-FX
12	3/8	MPL12-03-FX
12	1/2	MPL12-04-FX

FLEXION Push in fitting nickel plated brass tee male BSPP(G)



TECHNICAL DATA

Operating temperature -20 - 70 °C
Operating pressure -0.75 - 18 bar
Seal material NBR (nitrile rubber)
Release sleeve material Brass, nickel plated
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	MPB4-G01-FX
4	1/4	MPB4-G02-FX
6	1/8	MPB6-G01-FX
6	1/4	MPB6-G02-FX
8	1/8	MPB8-G01-FX
8	1/4	MPB8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	MPB8-G03-FX
10	1/4	MPB10-G02-FX
10	3/8	MPB10-G03-FX
12	3/8	MPB12-G03-FX
12	1/2	MPB12-G04-FX

FLEXION Push in fitting nickel plated brass branch tee BSPP(G)



TECHNICAL DATA

Operating temperature -20 - 70 °C
Operating pressure -0.75 - 18 bar
Seal material NBR (nitrile rubber)
Release sleeve material Brass, nickel plated
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	MPD4-G01-FX
4	1/4	MPD4-G02-FX
6	1/8	MPD6-G01-FX
6	1/4	MPD6-G02-FX
8	1/8	MPD8-G01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	MPD8-G02-FX
10	1/4	MPD10-G02-FX
10	3/8	MPD10-G03-FX
12	3/8	MPD12-G03-FX
12	1/2	MPD12-G04-FX

FLEXION Push in fitting nickel plated brass straight union



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPU4-FX
6	MPU6-FX
8	MPU8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPU10-FX
12	MPU12-FX
14	MPU14-FX

FLEXION Push in fitting nickel plated brass elbow union metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPV4-FX
6	MPV6-FX
8	MPV8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPV10-FX
12	MPV12-FX
14	MPV14-FX

FLEXION Push in fitting nickel plated brass tee union



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPE4-FX
6	MPE6-FX
8	MPE8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPE10-FX
12	MPE12-FX
14	MPE14-FX

FLEXION Push in fitting nickel plated brass Y union metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPY4-FX
6	MPY6-FX
8	MPY8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPY10-FX
12	MPY12-FX

FLEXION Push in fitting nickel plated brass Y union metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code.
mm	mm	
6	2 x 4	MPW6-4-FX
8	2 x 6	MPW8-6-FX

Tube Outside Diameter	Tube Outside Diameter Unequal	Flexion code.
mm	mm	
10	2 x 8	MPW10-8-FX

FLEXION Push in fitting nickel plated brass bulkhead union



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPM4-FX
6	MPM6-FX
8	MPM8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPM10-FX
12	MPM12-FX

FLEXION Push in fitting nickel plated brass male swiveling elbow BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code:
mm		
4	M5	MPH4-M5-FX
4	1/8	MPH4-G01-FX
6	1/8	MPH6-G01-FX
6	1/4	MPH6-G02-FX
8	1/8	MPH8-G01-FX

Tube Outside Diameter	Thread size	Flexion code:
mm		
8	1/4	MPH8-G02-FX
10	1/4	MPH10-G02-FX
10	3/8	MPH10-G03-FX
12	3/8	MPH12-G03-FX
12	1/2	MPH12-G04-FX

FLEXION Push in fitting nickel plated brass male swiveling tee BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code:
mm		
4	M5	MPGT4-M5-FX
4	1/8	MPGT4-G01-FX
6	M5	MPGT6-M5-FX
6	1/8	MPGT6-G01-FX
6	1/4	MPGT6-G02-FX

Tube Outside Diameter	Thread size	Flexion code:
mm		
8	1/8	MPGT8-G01-FX
8	1/4	MPGT8-G02-FX
10	1/4	MPGT10-G02-FX
10	3/8	MPGT10-G03-FX
12	3/8	MPGT12-G03-FX

FLEXION Single banjo ring nickel plated brass with push-in



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPBRS4-M5-FX
4	1/8	EPBRS4-G01-FX
6	1/8	EPBRS6-G01-FX
8	1/4	EPBRS6-G02-FX
8	1/8	EPBRS8-G01-FX
8	1/4	EPBRS8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EPBRS8-G03-FX
10	1/4	EPBRS10-G02-FX
10	3/8	EPBRS10-G03-FX
12	3/8	EPBRS12-G03-FX
12	1/2	EPBRS12-G04-FX

FLEXION Double banjo ring nickel plated brass BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	EPBRD4-M5-FX
4	1/8	EPBRD4-G01-FX
6	1/8	EPBRD6-G01-FX
6	1/4	EPBRD6-G02-FX
8	1/8	EPBRD8-G01-FX
8	1/4	EPBRD8-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	3/8	EPBRD8-G03-FX
10	1/4	EPBRD10-G02-FX
10	3/8	EPBRD10-G03-FX
12	3/8	EPBRD12-G03-FX
12	1/2	EPBRD12-G04-FX

FLEXION Single banjo ring nickel plated brass with female thread BSPP(G)



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Thread size	Flexion code
1/8	EPBRS-1/8-FX
1/4	EPBRS-1/4-FX

Thread size	Flexion code
3/8	EPBRS-3/8-FX
1/2	EPBRS-1/2-FX

FLEXION Single banjo bolt nickel plated brass BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Thread size	Flexion code
M5	EPBBS-M5-FX
1/8	EPBBS-G01-FX
1/4	EPBBS-G02-FX

Thread size	Flexion code
3/8	EPBBS-G03-FX
1/2	EPBBS-G04-FX

FLEXION Double banjo bolt nickel plated brass BSPP(G)



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Thread size	Flexion code
1/8	EPBBD-G01-FX
1/4	EPBBD-G02-FX

Thread size	Flexion code
3/8	EPBBD-G03-FX
1/2	EPBBD-G04-FX

FLEXION Double male stem adaptor nickel plated brass metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	MPJ4-FX
6	MPJ6-FX
8	MPJ8-FX

Tube Outside Diameter	Flexion code.
mm	
10	MPJ10-FX
12	MPJ12-FX
14	MPJ14-FX

FLEXION Push in fitting nickel plated brass stem reducer



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Stem Outside Diameter	Flexion code.
mm	mm	
6	4	MPG4-6-FX
8	6	MPG6-8-FX
4	8	MPG8-4-FX
6	8	MPG8-6-FX
6	10	MPG10-6-FX
8	10	MPG10-8-FX
10	12	MPG12-10-FX

Tube Outside Diameter	Stem Outside Diameter	Flexion code.
mm	mm	
4	12	MPG12-4-FX
6	12	MPG12-6-FX
8	12	MPG12-8-FX
10	14	MPG14-10-FX
12	14	MPG14-12-FX
6	14	MPG14-6-FX
8	14	MPG14-8-FX

FLEXION Plug fitting nickel plated brass metric



TECHNICAL DATA

Operating temperature	-20 - 70 °C
Operating pressure	-0.75 - 18 bar
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	MPP4-FX
6	MPP6-FX
8	MPP8-FX

Tube Outside Diameter	Flexion code
mm	
10	MPP10-FX
12	MPP12-FX
14	MPP14-FX

Flexion™

BRASS FUNCTION FITTINGS

High quality Function Fittings in nickel plated brass. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The brass fittings incorporate a wide range of sizes: All the popular variants, with an extended range of combinations of tube to thread size that reduce the requirement for adaptors, keeping cost and installation time down.

The brass "Automatic push-in fitting" line enables quick connections with calibrated plastic hoses at any time, at any stage of the pneumatic circuit and by a simple hand movement. The connection and the fitting tightness are made possible by the presence of the stainless steel grip and of an O-ring inside the fitting so that once the tube is inserted to the bottom of the fitting, the stainless collet grips onto it and prevents it from being released. The tube disconnection is then possible by pushing onto the outer metal release ring.



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet.

2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration and pressure surges.



3. O-RING SEAL

For parallel threads.

Taper threads are pre-coated with PTFE sealant.

FLEXION Speed control elbow fitting nickel plated brass Meter-out flow control BSPP(G)



TECHNICAL DATA

Control Method	Meter-out
Operating pressure	0 - 10 bar
Operating temperature	-20 - 70 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	MSL4-M5-FX
4	1/8	MSL4-G01-FX
6	1/8	MSL6-G01-FX
6	1/4	MSL6-G02-FX
8	1/8	MSL8-G01-FX
8	1/4	MSL8-G02-FX
8	3/8	MSL8-G03-FX
10	1/4	MSL10-G02-FX
10	3/8	MSL10-G03-FX

FLEXION Speed control elbow fitting nickel plated brass Meter-in flow control BSPP(G)



TECHNICAL DATA

Control Method	Meter-in
Operating pressure	0 - 10 bar
Operating temperature	-20 - 70 °C
Seal material	NBR (nitrile rubber)
Release sleeve material	Brass, nickel plated
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	M5	MSL4-M5B-FX
4	1/8	MSL4-G01B-FX
6	1/8	MSL6-G01B-FX
6	1/4	MSL6-G02B-FX
8	1/8	MSL8-G01B-FX
8	1/4	MSL8-G02B-FX
8	3/8	MSL8-G03B-FX
10	1/4	MSL10-G02B-FX
10	3/8	MSL10-G03B-FX

Flexion™

STAINLESS STEEL PUSH IN FITTINGS

High quality Push In Fittings in 316L Stainless steel material. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The stainless steel fittings incorporate a wide range of sizes: All the popular variants, with an extended range of combinations of tube to thread size that reduce the requirement for adaptors, keeping cost and installation time down.

All the straight fittings have an internal hex, allowing fitting into ports with limited access.

Suitable for all those applications where brass nickel-plated and polymer fittings are unsuitable, the AISI 316L fitting is able to withstand corrosive environments (substances), to resist aggressive fluids and to be used in the food and chemical industries. Sealing materials used are FPM, giving high temperature resistance.



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet.



2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration and pressure surges.



3. FPM O-RING SEAL

For parallel threads.
Taper threads are pre-coated with PTFE sealant.

FLEXION Push in fitting stainless steel AISI 316L straight male BSPP(G) and metric



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	SSPC4-M5-FX
4	1/8	SSPC4-G01-FX
6	1/8	SSPC6-G01-FX
6	1/4	SSPC6-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	SSPC8-G01-FX
8	1/4	SSPC8-G02-FX
10	1/4	SSPC10-G02-FX
10	3/8	SSPC10-G03-FX

FLEXION Push in fitting stainless steel AISI 316L straight male BSPT(R)



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	SSPC4-01-FX
4	1/4	SSPC4-02-FX
6	1/8	SSPC6-01-FX
6	1/4	SSPC6-02-FX
8	1/8	SSPC8-01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	SSPC8-02-FX
10	1/4	SSPC10-02-FX
10	3/8	SSPC10-03-FX
12	3/8	SSPC12-03-FX
12	1/2	SSPC12-04-FX

FLEXION Push in fitting stainless steel AISI 316L elbow male BSPP(G) and metric



TECHNICAL DATA

Operating temperature -20 - 150 °C
Operating pressure -0.75 - 18 bar
Seal material FPM (FKM)
Release sleeve material Stainless steel 316L (AISI)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	M5	SSPL4-M5-FX
4	1/8	SSPL4-G01-FX
6	1/8	SSPL6-G01-FX
6	1/4	SSPL6-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	SSPL8-G01-FX
8	1/4	SSPL8-G02-FX
10	1/4	SSPL10-G02-FX
10	3/8	SSPL10-G03-FX

FLEXION Push in fitting stainless steel AISI 316L elbow male BSPP(G)



TECHNICAL DATA

Operating temperature -20 - 150 °C
Operating pressure -0.75 - 18 bar
Seal material FPM (FKM)
Release sleeve material Stainless steel 316L (AISI)
Grab ring material Stainless steel 301 (1.4310)
Fluid Compressed air
Tubing type PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	SSPLN4-G01-FX
6	1/8	SSPLN6-G01-FX
6	1/4	SSPLN6-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	SSPLN8-G01-FX
8	1/4	SSPLN8-G02-FX
10	1/4	SSPLN10-G02-FX

FLEXION Push in fitting stainless steel AISI 316L elbow male BSPT(R)



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	SSPL4-01-FX
6	1/8	SSPL6-01-FX
6	1/4	SSPL6-02-FX
8	1/8	SSPL8-01-FX
8	1/4	SSPL8-02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
10	1/4	SSPL10-02-FX
10	3/8	SSPL10-03-FX
12	3/8	SSPL12-03-FX
12	1/2	SSPL12-04-FX

FLEXION Push in fitting stainless steel AISI 316L tee male BSPP(G)



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	SSPB4-G01-FX
6	1/8	SSPB6-G01-FX
6	1/4	SSPB6-G02-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/8	SSPB8-G01-FX
8	1/4	SSPB8-G02-FX

FLEXION Push in fitting stainless steel AISI 316L tee male BSPT(R)



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Pre-coated thread	Polytetrafluoroethylene (PTFE)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Thread size	Flexion code
mm		
4	1/8	SSPB4-01-FX
6	1/8	SSPB6-01-FX
6	1/4	SSPB6-02-FX
8	1/8	SSPB8-01-FX

Tube Outside Diameter	Thread size	Flexion code
mm		
8	1/4	SSPB8-02-FX
10	1/4	SSPB10-02-FX
10	3/8	SSPB10-03-FX

FLEXION Push in fitting stainless steel AISI 316L union straight



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code
mm	
4	SSPU4-FX
6	SSPU6-FX
8	SSPU8-FX

Tube Outside Diameter	Flexion code
mm	
10	SSPU10-FX
12	SSPU12-FX

FLEXION Push in fitting stainless steel AISI 316L union elbow



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	SSPV4-FX
6	SSPV6-FX
8	SSPV8-FX

Tube Outside Diameter	Flexion code.
mm	
10	SSPV10-FX
12	SSPV12-FX

FLEXION Push in fitting stainless steel AISI 316L union tee



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	SSPE4-FX
6	SSPE6-FX
8	SSPE8-FX

Tube Outside Diameter	Flexion code.
mm	
10	SSPE10-FX
12	SSPE12-FX

FLEXION Push in fitting stainless steel AISI 316L bulkhead union



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Flexion code.
mm	
4	SSPM4-FX
6	SSPM6-FX
8	SSPM8-FX

Tube Outside Diameter	Flexion code.
mm	
10	SSPM10-FX
12	SSPM12-FX

FLEXION Push in fitting stainless steel AISI 316L reducer stem/tube



TECHNICAL DATA

Operating temperature	-20 - 150 °C
Operating pressure	-0.75 - 18 bar
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Fluid	Compressed air
Tubing type	PA 12 (Nylon), PA 1012 (Nylon) or PU SH A 98 metric tubing

Tube Outside Diameter	Stem Outside Diameter	Flexion code
mm	mm	
4	6	SSPGJ6-4-FX
6	8	SSPGJ8-6-FX

Tube Outside Diameter	Stem Outside Diameter	Flexion code
mm	mm	
8	10	SSPGJ10-8-FX

Flexion™

STAINLESS STEEL FUNCTION FITTINGS

High quality Function Fittings in 316L Stainless steel material. 100% leak tested during production, these fittings are suitable for both pneumatic and vacuum applications.

The stainless steel fittings incorporate a wide range of sizes: All the popular variants, with an extended range of combinations of tube to thread size that reduce the requirement for adaptors, keeping cost and installation time down.

All the straight fittings have an internal hex, allowing fitting into ports with limited access.

Suitable for all those applications where brass nickel-plated and polymer fittings are unsuitable, the AISI 316L fitting is able to withstand corrosive environments (substances), to resist aggressive fluids and to be used in the food and chemical industries. Sealing materials used are FPM, giving high temperature resistance.



1. QUICK RELEASE COLLET

Tubing can be easily removed by pressing down the release collet.

2. STAINLESS GRAB RING (INTERNAL)

Grips nylon or PU tubing without damaging its surface. Safely absorbs vibration and pressure surges.

3. FPM O-RING SEAL

For parallel threads. Taper threads are pre-coated with PTFE sealant.

FLEXION Speed control elbow fitting stainless steel AISI 316L meter-out flow control BSP(G)



TECHNICAL DATA

Control Method	Meter-out
Operating pressure	0 - 10 bar
Operating temperature	0 - 150 °C
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	1/8	SSL4-G01-FX
6	1/8	SSL6-G01-FX
6	1/4	SSL6-G02-FX
8	1/8	SSL8-G01-FX
8	1/4	SSL8-G02-FX
10	1/4	SSL10-G02-FX
10	3/8	SSL10-G03-FX

FLEXION Speed control elbow fitting stainless steel AISI 316L meter-in flow control BSP(G)



TECHNICAL DATA

Control Method	Meter-in
Operating pressure	0 - 10 bar
Operating temperature	0 - 150 °C
Seal material	FPM (FKM)
Release sleeve material	Stainless steel 316L (AISI)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	1/8	SSL4-G01B-FX
6	1/8	SSL6-G01B-FX
6	1/4	SSL6-G02B-FX
8	1/8	SSL8-G01B-FX
8	1/4	SSL8-G02B-FX
10	1/4	SSL10-G02B-FX
10	3/8	SSL10-G03B-FX



FlexionTM

*TUBES PA12, PA1012 (Nylon)
and PU SH A 98*

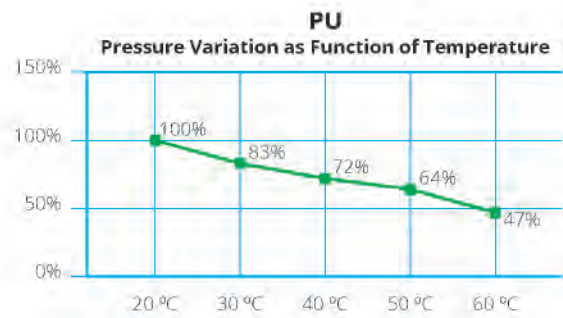
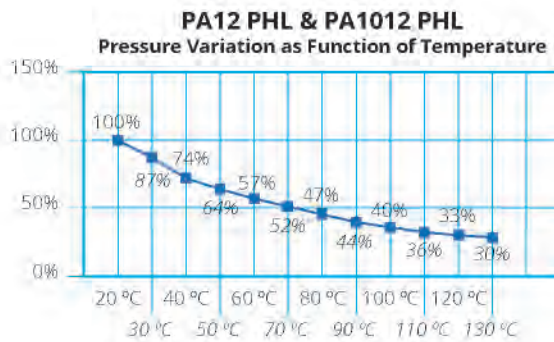
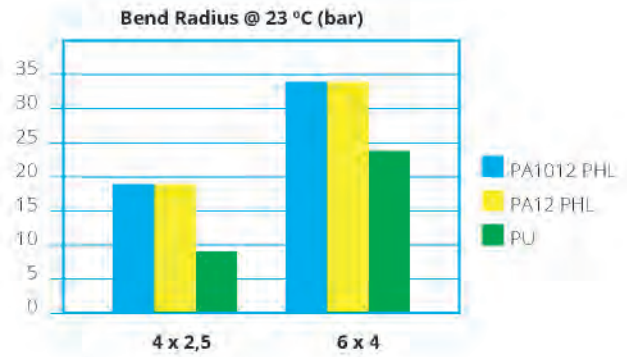
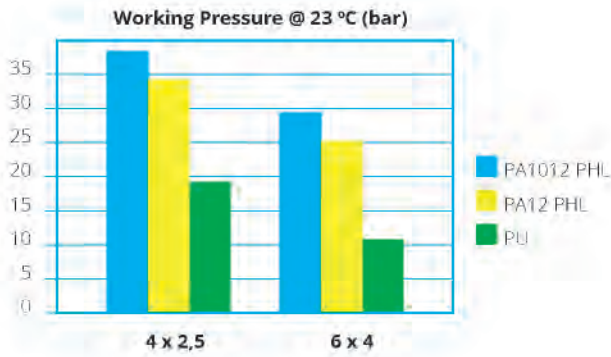
The high quality Flexion PA12 PHL tubes characteristics are:

- Very good dimensional stability
- High mechanical properties, especially resistant to high pressure
- Outstanding weathering resistance
- Very good abrasion resistance
- Excellent chemical resistance
- Wide range of working temperature (from -60°C to +130°C)
- High flexibility
- Excellent hydrolysis resistance
- Temperature Range: -60°C to 130°C
- Tolerance on external diameter as per DIN 73378 Norm for the PA12 PHL
- PA1012 tubes have been certified by TÜV SÜD and fulfill all requirements of ISO 7628/2010; They can easily replace the PA11 & PA12 for the industrial and automotive applications offering the same chemical and mechanical properties.


































The Flexion PU range is a thermoplastic Polyurethane (TPU) polyester based: Shore A98 with:

- Excellent abrasion resistance
- Extreme flexibility (low E. modulus) even at low temperature (-40°C)
- Good tear, cutting and perforation resistance
- Fair mechanical properties
- Excellent kinking behaviour leading to small bending radius.
- Very good transparency
- Good tear, cutting and perforation resistance
- Resistant to oil and grease
- Temperature Range: -40°C to 60°C
- Tolerance on external diameter/
 - from 4 mm to 8 mm: +/- 0,10 mm
 - from 10 mm to 12 mm: +/- 0,15 mm



Cardboard tubes dispensers dimensions	
External Tube Diameter	Tube Lengths
	25 m
4 < to ≤ 6 mm	255 x 255 x 70 mm
6 < to ≤ 8 mm	300 x 300 x 80 mm
8 < to ≤ 10 mm	400 x 400 x 110 mm
10 < to ≤ 12 mm	400 x 400 x 110 mm
12 < to ≤ 14 mm	600 x 600 x 110 mm
16 mm	Coils

Dimensions	Bending radius mm	Working Pressure bar 23°C	Working Pressure bar 60°C	Burst Pressure bar 23°C	Color	FLEXION PU SH A 98 References	
						25 Meters / Color	
40 x 2,5	10	15	7	46		TU-PU-4/25-BLK-25M-FX	
						TU-PU-4/25-BLU-25M-FX	
						TU-PU-4/25-GRN-25M-FX	
						TU-PU-4/25-NAT-25M-FX	
						TU-PU-4/25-RED-25M-FX	
						TU-PU-4/25-YEL-25M-FX	
6,0 x 4,0	20	13	8	40		TU-PU-6/4-BLK-25M-FX	
						TU-PU-6/4-BLU-25M-FX	
						TU-PU-6/4-GRN-25M-FX	
						TU-PU-6/4-NAT-25M-FX	
						TU-PU-6/4-RED-25M-FX	
						TU-PU-6/4-YEL-25M-FX	
8,0 x 5,5	35	14	7	41		TU-PU-8/55-BLK-25M-FX	
						TU-PU-8/55-BLU-25M-FX	
						TU-PU-8/55-GRN-25M-FX	
						TU-PU-8/55-NAT-25M-FX	
						TU-PU-8/55-RED-25M-FX	
						TU-PU-8/55-YEL-25M-FX	
10,0 x 6,5	35	14	7	42		TU-PU-10/65-BLK-25M-FX	
						TU-PU-10/65-BLU-25M-FX	
						TU-PU-10/65-GRN-25M-FX	
						TU-PU-10/65-NAT-25M-FX	
						TU-PU-10/65-RED-25M-FX	
						TU-PU-10/65-YEL-25M-FX	
12,0 x 8,0	35	13	6	40		TU-PU-12/8-BLK-25M-FX	
						TU-PU-12/8-BLU-25M-FX	
						TU-PU-12/8-GRN-25M-FX	
						TU-PU-12/8-NAT-25M-FX	
						TU-PU-12/8-RED-25M-FX	
						TU-PU-12/8-YEL-25M-FX	

Dimensions	Bending radius mm	Working Pressure bar 23°C	Working Pressure bar 60 °C	Burst Pressure bar 23 °C	Color	FLEXION PA1012 References	
						25 Meters / Color	
40 X 2,5	20	35	70	105		TU-PA-4/25-BLK-25M-FX	
						TU-PA-4/25-BLU-25M-FX	
						TU-PA-4/25-GRN-25M-FX	
						TU-PA-4/25-NAT-25M-FX	
						TU-PA-4/25-RED-25M-FX	
						TU-PA-4/25-YEL-25M-FX	
60 X 4,0	35	31	18	93		TU-PA-6/4-BLK-25M-FX	
						TU-PA-6/4-BLU-25M-FX	
						TU-PA-6/4-GRN-25M-FX	
						TU-PA-6/4-NAT-25M-FX	
						TU-PA-6/4-RED-25M-FX	
						TU-PA-6/4-YEL-25M-FX	
8,0 X 6,0	40	22	13	68		TU-PA-8/6-BLK-25M-FX	
						TU-PA-8/6-BLU-25M-FX	
						TU-PA-8/6-GRN-25M-FX	
						TU-PA-8/6-NAT-25M-FX	
						TU-PA-8/6-RED-25M-FX	
						TU-PA-8/6-YEL-25M-FX	
10,0 X 8,0	60	17	10	51		TU-PA-10/8-BLK-25M-FX	
						TU-PA-10/8-BLU-25M-FX	
						TU-PA10/8-GRN-25M-FX	
						TU-PA-10/8-NAT-25M-FX	
						TU-PA-10/8-RED-25M-FX	
						TU-PA-10/8-YEL-25M-FX	
12,0 X 9,0	70	22	13	66		TU-PA-12/9-BLK-25M-FX	
						TU-PA-12/9-BLU-25M-FX	
						TU-PA-12/9-GRN-25M-FX	
						TU-PA-12/9-NAT-25M-FX	
						TU-PA-12/9-RED-25M-FX	
						TU-PA-12/9-YEL-25M-FX	
16,0 X 12,0	150	22	11	66		TU-PA-16/12-BLK-25M-FX	
						TU-PA-16/12-NAT-25M-FX	

FLEXION Pre-formed airline coils PA 12 PHL



TECHNICAL DATA

- Fitted with BSPT Press-in-swivel couplings - complete with springs
- Excellent flexibility
- High resistance to oil, petrol, organic and inorganic media
- Lightweight

Hose material PA (Nylon)
With couplers Yes
Temperature range -40 - 80 °C

Outer diameter	Internal diameter	Colour	Maximum working length	Port thread type	Connection	Maximum operating pressure at 20°C	Flexion code
mm	mm		m			bar	
8	6	Red	2.5	BSPT (R)	1/4	21	TU-NY-COIL-8/2-RED-FX
8	6	Blue	2.5	BSPT (R)	1/4	21	TU-NY-COIL-8/2-BLUE-FX
8	6	Red	5	BSPT (R)	1/4	21	TU-NY-COIL-8/5-RED-FX
8	6	Blue	5	BSPT (R)	1/4	21	TU-NY-COIL-8/5-BLUE-FX
10	8	Red	2.5	BSPT (R)	1/4	15	TU-NY-COIL-10/2-RED-FX
10	8	Blue	2.5	BSPT (R)	1/4	15	TU-NY-COIL-10/2-BLUE-FX
10	8	Red	5	BSPT (R)	1/4	15	TU-NY-COIL-10/5-RED-FX
10	8	Blue	5	BSPT (R)	1/4	15	TU-NY-COIL-10/5-BLUE-FX

FLEXION Pre-formed airline coils PU 98Sh-A



TECHNICAL DATA

- Fitted with BSPT Press-in-swivel couplings - complete with springs
- Excellent flexibility
- High resistance to oil, petrol, organic and inorganic media
- Lightweight

Hose material PU (Polyurethane)
With couplers Yes
Temperature range -40 - 50 °C

Outer diameter	Internal diameter	Colour	Maximum working length	Port thread type	Connection	Maximum operating pressure at 20°C	Flexion code
mm	mm		m			bar	
8	5	Red	2	BSPT (R)	1/4	12	TU-PU-COIL-8/2-RED-FX
8	5	Blue	2	BSPT (R)	1/4	12	TU-PU-COIL-8/2-BLUE-FX
8	5	Red	6	BSPT (R)	1/4	12	TU-PU-COIL-8/6-RED-FX
8	5	Blue	6	BSPT (R)	1/4	12	TU-PU-COIL-8/6-BLUE-FX
10	6.5	Red	2	BSPT (R)	1/4	15	TU-PU-COIL-10/2-RED-FX
10	6.5	Blue	2	BSPT (R)	1/4	15	TU-PU-COIL-10/2-BLUE-FX
10	6.5	Red	6	BSPT (R)	1/4	15	TU-PU-COIL-10/6-RED-FX
10	6.5	Blue	6	BSPT (R)	1/4	15	TU-PU-COIL-10/6-BLUE-FX

FLEXION Tube cutter



Flexion code

TBCUT-PX

flexionTM

BRASS ADAPTORS

**High quality Adaptors in
nickel plated brass.**

**These fittings are suitable for
pneumatic applications but also for
oil applications up to 60 bar.**



FLEXION Nipple adaptor nickel plated brass male BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
M5	NIP-B-P-M5-FX
1/8	NIP-B-P-1/8-FX
1/4	NIP-B-P-1/4-FX
3/8	NIP-B-P-3/8-FX
1/2	NIP-B-P-1/2-FX
3/4	NIP-B-P-3/4-FX
1	NIP-B-P-1-FX

FLEXION Nipple adaptor nickel plated brass male BSPT(R)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	NIP-B-T-1/8-FX
1/4	NIP-B-T-1/4-FX
3/8	NIP-B-T-3/8-FX
1/2	NIP-B-T-1/2-FX
3/4	NIP-B-T-3/4-FX
1	NIP-B-T-1-FX

FLEXION Reducing nipple adaptor nickel plated brass male BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	1/8	NIP-B-RED-P-M5-1/8-FX
1/8	1/4	NIP-B-RED-P-1/8-1/4-FX
1/8	3/8	NIP-B-RED-P-1/8-3/8-FX
1/4	3/8	NIP-B-RED-P-1/4-3/8-FX
1/4	1/2	NIP-B-RED-P-1/4-1/2-FX
3/8	1/2	NIP-B-RED-P-3/8-1/2-FX
1/2	3/4	NIP-B-RED-P-1/2-3/4-FX
3/4	1	NIP-B-RED-P-3/4-1-FX

FLEXION Reducing nipple adaptor nickel plated brass male BSPT(R)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/4	NIP-B-RED-T-1/8-1/4-FX
1/8	3/8	NIP-B-RED-T-1/8-3/8-FX
1/4	3/8	NIP-B-RED-T-1/4-3/8-FX
1/4	1/2	NIP-B-RED-T-1/4-1/2-FX
3/8	1/2	NIP-B-RED-T-3/8-1/2-FX
1/2	3/4	NIP-B-RED-T-1/2-3/4-FX
3/4	1	NIP-B-RED-T-3/4-1-FX

FLEXION Swivel nipple 3 pieces adaptor nickel plated brass female BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	NIP-B-P-3P-1/8-FX
1/4	NIP-B-P-3P-1/4-FX
3/8	NIP-B-P-3P-3/8-FX
1/2	NIP-B-P-3P-1/2-FX

FLEXION Extension adaptor nickel plated brass male-female BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	RED-B-P-1/8M1/8F-FX
1/8	1/4	RED-B-P-1/8M1/4F-FX
1/8	3/8	RED-B-P-1/8M3/8F-FX
1/4	1/4	RED-B-P-1/4M1/4F-FX
1/4	3/8	RED-B-P-1/4M3/8F-FX
1/4	1/2	RED-B-P-1/4M1/2F-FX
3/8	3/8	RED-B-P-3/8M3/8F-FX
3/8	1/2	RED-B-P-3/8M1/2F-FX
1/2	1/2	RED-B-P-1/2M1/2F-FX
1/2	3/4	RED-B-P-1/2M3/4F-FX

FLEXION Reducer adaptor nickel plated brass male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	RED-B-T-1/8M1/8F-FX
1/8	1/4	RED-B-T-1/8M1/4F-FX
1/8	3/8	RED-B-T-1/8M3/8F-FX
1/4	1/4	RED-B-T-1/4M1/4F-FX
1/4	3/8	RED-B-T-1/4M3/8F-FX
1/4	1/2	RED-B-T-1/4M1/2F-FX
3/8	3/8	RED-B-T-3/8M3/8F-FX
3/8	1/2	RED-B-T-3/8M1/2F-FX
1/2	1/2	RED-B-T-1/2M1/2F-FX
1/2	3/4	RED-B-T-1/2M3/4F-FX
1/2	1	RED-B-T-1/2M1F-FX

FLEXION Extension adaptor nickel plated brass male-female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Length mm	Flexion code
1/8	1/8	16	RED-B-P-1/8M1/8F L16-FX
1/8	1/8	36	RED-B-P-1/8M1/8F L36-FX
1/8	1/8	45	RED-B-P-1/8M1/8F L45-FX
1/4	1/4	27	RED-B-P-1/4M1/4F L27-FX
1/4	1/4	43	RED-B-P-1/4M1/4F L43-FX

FLEXION Bulkhead adaptor nickel plated brass female BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	M10X1.0	BULK-B-M5-M10X1.0-FX
1/8	M16x1.5	BULK-B-FF1/8-M16X1.5-FX
1/4	M20x1.5	BULK-B-FF1/4-M20X1.5-FX
3/8	M26x1.5	BULK-B-FF3/8-M26X1.5-FX
1/2	M28x1.5	BULK-B-FF1/2-M28X1.5-FX

FLEXION Reducer adaptor nickel plated brass male-female BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	M5	RED-B-P-1/8MM5F-FX
1/4	1/8	RED-B-P-1/4M1/8F-FX
3/8	1/8	RED-B-P-3/8M1/8F-FX
3/8	1/4	RED-B-P-3/8M1/4F-FX
1/2	1/8	RED-B-P-1/2M1/8F-FX
1/2	1/4	RED-B-P-1/2M1/4F-FX
1/2	3/8	RED-B-P-1/2M3/8F-FX
3/4	3/8	RED-B-P-3/4M3/8F-FX
3/4	1/2	RED-B-P-3/4M1/2F-FX
1	1/2	RED-B-P-1M1/2F-FX
1	3/4	RED-B-P-1M3/4F-FX

FLEXION Reducer adaptor nickel plated brass male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/4	1/8	RED-B-T-1/4M1/8F-FX
3/8	1/8	RED-B-T-3/8M1/8F-FX
3/8	1/4	RED-B-T-3/8M1/4F-FX
1/2	1/8	RED-B-T-1/2M1/8F-FX
1/2	1/4	RED-B-T-1/2M1/4F-FX
1/2	3/8	RED-B-T-1/2M3/8F-FX
3/4	3/8	RED-B-T-3/4M3/8F-FX
3/4	1/2	RED-B-T-3/4M1/2F-FX
1	1/2	RED-B-T-1M1/2F-FX

FLEXION Sleeve adaptor nickel plated brass female BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Flexion code
M5	SLV-B-M5-FX
1/8	SLV-B-1/8-FX
1/4	SLV-B-1/4-FX
3/8	SLV-B-3/8-FX
1/2	SLV-B-1/2-FX
3/4	SLV-B-3/4-FX
1	SLV-B-1-FX

FLEXION Sleeve reducer nickel plated brass female BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	1/8	SLV-RED-B-M5-1/8-FX
1/8	1/4	SLV-RED-B-1/8-1/4-FX
1/8	3/8	SLV-RED-B-1/8-3/8-FX
1/8	1/2	SLV-RED-B-1/8-1/2-FX
1/4	3/8	SLV-RED-B-1/4-3/8-FX
1/4	1/2	SLV-RED-B-1/4-1/2-FX
3/8	1/2	SLV-RED-B-3/8-1/2-FX
1/2	3/4	SLV-RED-B-1/2-3/4-FX

FLEXION Plug nickel plated brass male BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
M5	PLG-B-P-MM5-FX
1/8	PLG-B-P-M1/8-FX
1/4	PLG-B-P-M1/4-FX
3/8	PLG-B-P-M3/8-FX
1/2	PLG-B-P-M1/2-FX
3/4	PLG-B-P-M3/4-FX
1	PLG-B-P-M1-FX

FLEXION Allen key plug with o-ring nickel plated brass male BSPP(G) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
M5	PLG-B-HEX-OR-M5-FX
1/8	PLG-B-HEX-OR-1/8-FX
1/4	PLG-B-HEX-OR-1/4-FX
3/8	PLG-B-HEX-OR-3/8-FX
1/2	PLG-B-HEX-OR-1/2-FX

FLEXION Socket head plug nickel plated brass male BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	SH-PLG-B-P-M1/8-FX
1/4	SH-PLG-B-P-M1/4-FX
3/8	SH-PLG-B-P-M3/8-FX
1/2	SH-PLG-B-P-M1/2-FX

FLEXION Plug nickel plated brass male BSPT(R)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	PLG-B-T-M1/8-FX
1/4	PLG-B-T-M1/4-FX
3/8	PLG-B-T-M3/8-FX
1/2	PLG-B-T-M1/2-FX

FLEXION Plug nickel plated brass female BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	PLG-B-F1/8-FX
1/4	PLG-B-F1/4-FX
3/8	PLG-B-F3/8-FX
1/2	PLG-B-F1/2-FX
3/4	PLG-B-F3/4-FX
1	PLG-B-F1-FX

FLEXION Elbow adaptor nickel plated brass male BSPT(R) and metric



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
M5	ADPT-B-L-M5MM-FX
1/8	ADPT-B-L-1/8MM-FX
1/4	ADPT-B-L-1/4MM-FX
1/4	ADPT-B-L-1/4M1/8M-FX
3/8	ADPT-B-L-3/8MM-FX
1/2	ADPT-B-L-1/2MM-FX
3/4	ADPT-B-L-3/4MM-FX
1	ADPT-B-L-1MM-FX

FLEXION Elbow adaptor nickel plated brass male BSPT(R) - female BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	M5	ADPT-B-L-M5MF-FX
1/8	1/8	ADPT-B-L-1/8MF-FX
1/4	1/4	ADPT-B-L-1/4MF-FX
1/4	1/8	ADPT-B-L-1/4M1/8F-FX
3/8	3/8	ADPT-B-L-3/8MF-FX
1/2	1/2	ADPT-B-L-1/2MF-FX
3/4	3/4	ADPT-B-L-3/4MF-FX
1	1	ADPT-B-L-1MF-FX

FLEXION Elbow adaptor nickel plated brass female BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Flexion code
M5	ADPT-B-L-M5FF-FX
1/8	ADPT-B-L-1/8FF-FX
1/4	ADPT-B-L-1/4FF-FX
3/8	ADPT-B-L-3/8FF-FX
1/2	ADPT-B-L-1/2FF-FX
3/4	ADPT-B-L-3/4FF-FX
1	ADPT-B-L-1FF-FX

FLEXION Tee adaptor nickel plated brass male BSPT(R)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	ADPT-B-T-1/8MMM-FX
1/4	ADPT-B-T-1/4MMM-FX
3/8	ADPT-B-T-3/8MMM-FX
1/2	ADPT-B-T-1/2MMM-FX
3/4	ADPT-B-T-3/4MMM-FX
1	ADPT-B-T-1MMM-FX

FLEXION Tee adaptor nickel plated brass male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	ADPT-B-T-1/8MFM-FX
1/4	1/4	ADPT-B-T-1/4MFM-FX
3/8	3/8	ADPT-B-T-3/8MFM-FX
1/2	1/2	ADPT-B-T-1/2MFM-FX
3/4	3/4	ADPT-B-T-3/4MFM-FX
1	1	ADPT-B-T-1MFM-FX

FLEXION Tee adaptor nickel plated brass male BSPT(R) - female BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	M5	ADPT-B-T-M5MFF-FX
1/8	1/8	ADPT-B-T-1/8MFF-FX
1/4	1/4	ADPT-B-T-1/4MFF-FX
3/8	3/8	ADPT-B-T-3/8MFF-FX
1/2	1/2	ADPT-B-T-1/2MFF-FX
3/4	3/4	ADPT-B-T-3/4MFF-FX
1	1	ADPT-B-T-1MFF-FX

FLEXION Tee adaptor nickel plated brass female BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Flexion code
M5	ADPT-B-T-M5FFF-FX
1/8	ADPT-B-T-1/8FFF-FX
1/4	ADPT-B-T-1/4FFF-FX
3/8	ADPT-B-T-3/8FFF-FX
1/2	ADPT-B-T-1/2FFF-FX
3/4	ADPT-B-T-3/4FFF-FX
1	ADPT-B-T-1FFF-FX

FLEXION Tee adaptor nickel plated brass female BSPP(G) - male BSPT(R) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
M5	M5	ADPT-B-T-M5FMF-FX
1/8	1/8	ADPT-B-T-1/8FMF-FX
1/4	1/4	ADPT-B-T-1/4FMF-FX
3/8	3/8	ADPT-B-T-3/8FMF-FX
1/2	1/2	ADPT-B-T-1/2FMF-FX
3/4	3/4	ADPT-B-T-3/4FMF-FX
1	1	ADPT-B-T-1FMF-FX

FLEXION Tee adaptor nickel plated brass male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	ADPT-B-T-1/8MMF-FX
1/4	1/4	ADPT-B-T-1/4MMF-FX
3/8	3/8	ADPT-B-T-3/8MMF-FX
1/2	1/2	ADPT-B-T-1/2MMF-FX
3/4	3/4	ADPT-B-T-3/4MMF-FX
1	1	ADPT-B-T-1MMF-FX

FLEXION Y adaptor nickel plated brass female BSPP(G) - male BSPT(R)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	ADPT-B-Y-1/8FMF-FX
1/4	1/4	ADPT-B-Y-1/4FMF-FX
3/8	3/8	ADPT-B-Y-3/8FMF-FX
1/2	1/2	ADPT-B-Y-1/2FMF-FX

FLEXION Y adaptor nickel plated brass female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Flexion code
1/8	ADPT-B-Y-1/8FFF-FX
1/4	ADPT-B-Y-1/4FFF-FX
3/8	ADPT-B-Y-3/8FFF-FX
1/2	ADPT-B-Y-1/2FFF-FX

FLEXION Cross adaptor nickel plated brass male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	ADPT-B-X-1/8MFFF-FX
1/4	1/4	ADPT-B-X-1/4MFFF-FX
3/8	3/8	ADPT-B-X-3/8MFFF-FX
1/2	1/2	ADPT-B-X-1/2MFFF-FX

FLEXION Cross adaptor nickel plated brass female BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	ADPT-B-X-1/8FFFF-FX
1/4	ADPT-B-X-1/4FFFF-FX
3/8	ADPT-B-X-3/8FFFF-FX
1/2	ADPT-B-X-1/2FFFF-FX

FLEXION Locking nut nickel plated brass BSPP(G)



TECHNICAL DATA

Material	Brass, nickel plated
Ambient temperature	-20 - 100 °C
Maximum operating pressure	60 bar

Connection 1 thread size	Flexion code
1/8	LCKNUT-1/8-FX
1/4	LCKNUT-1/4-FX
3/8	LCKNUT-3/8-FX
1/2	LCKNUT-1/2-FX
3/4	LCKNUT-3/4-FX
1	LCKNUT-1-FX

FLEXION Male hosetail and o-ring nickel plated brass BSPP(G) and metric



TECHNICAL DATA

Material Brass, nickel plated
Ambient temperature -20 - 100 °C
Maximum operating pressure 60 bar

Connection 1 thread size	Hose inside diameter mm	Flexion code
M5	4.5	HTAIL-B-P-OR4.5-M5-FX
1/8	6	HTAIL-B-P-OR6-1/8-FX
1/4	6	HTAIL-B-P-OR6-1/4-FX
1/8	7	HTAIL-B-P-OR7-1/8-FX
1/4	7	HTAIL-B-P-OR7-1/4-FX
1/8	8	HTAIL-B-P-OR8-1/8-FX
1/4	8	HTAIL-B-P-OR8-1/4-FX
1/8	9	HTAIL-B-P-OR9-1/8-FX
1/4	9	HTAIL-B-P-OR9-1/4-FX
3/8	9	HTAIL-B-P-OR9-3/8-FX
1/4	12	HTAIL-B-P-OR12-1/4-FX
3/8	12	HTAIL-B-P-OR12-3/8-FX
1/2	12	HTAIL-B-P-OR12-1/2-FX
3/8	17	HTAIL-B-P-OR17-3/8-FX
1/2	17	HTAIL-B-P-OR17-1/2-FX

FlexionTM

STAINLESS STEEL ADAPTERS

Stainless Steel Adaptors are our standard fittings in stainless steel AISI 316L; the right complement to our program AISI 316L Push In Fittings.

Application fields: Pneumatics, Food Industry, Chemical, Medical and Pharmaceutical Industry

- Pressure up to 150 bar
- Body: Stainless Steel AISI 316L (1.4404)
- Seals: FPM



FLEXION Adaptor stainless steel AISI 316L nipple male BSPT(R)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/4	SS-NIP-B-T-1/4-FX
1/8	SS-NIP-B-T-1/8-FX
3/8	SS-NIP-B-T-3/8-FX
1/2	SS-NIP-B-T-1/2-FX

FLEXION Adaptor stainless steel AISI 316L reducing nipple male BSPT(R)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/4	SS-NIP-RED-T-1/8-1/4-FX
1/4	3/8	SS-NIP-RED-T-1/4-3/8-FX
3/8	1/2	SS-NIP-RED-T-3/8-1/2-FX

FLEXION Adaptor stainless steel AISI 316L male BSPT(R) - female BSPP(G) reducer



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/4	1/8	SS-RED-B-T-1/4M1/8F-FX
3/8	1/8	SS-RED-B-T-3/8M1/8F-FX
1/2	1/8	SS-RED-B-T-1/2M1/8F-FX
3/8	1/4	SS-RED-B-T-3/8M1/4F-FX
1/2	1/4	SS-RED-B-T-1/2M1/4F-FX
1/2	3/8	SS-RED-B-T-1/2M3/8F-FX

FLEXION Adaptor stainless steel AISI 316L male-female reducer BSPP(G) and metric



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	M5	SS-RED-B-P-1/8M M5F-FX
1/4	1/8	SS-RED-B-P-1/4M1/8F-FX
3/8	1/4	SS-RED-B-P-3/8M1/4F-FX

FLEXION Adaptor stainless steel AISI 316L sleeve female BSPP(G)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-SLV-B-1/8-FX
1/4	SS-SLV-B-1/4-FX
3/8	SS-SLV-B-3/8-FX
1/2	SS-SLV-B-1/2-FX

FLEXION Adaptor stainless steel AISI 316L male BSPP(G) allen key plug with o-ring



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-PLG-B-HEX-OR-1/8-FX
1/4	SS-PLG-B-HEX-OR-1/4-FX
3/8	SS-PLG-B-HEX-OR-3/8-FX
1/2	SS-PLG-B-HEX-OR-1/2-FX

FLEXION Adaptor stainless steel AISI 316L male plug BSPT(R)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-PLG-B-T-M1/8-FX
1/4	SS-PLG-B-T-M1/4-FX
3/8	SS-PLG-B-T-M3/8-FX
1/2	SS-PLG-B-T-M1/2-FX

FLEXION Adaptor stainless steel AISI 316L elbow male BSPT(R)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-ADPT-B-L-1/8MM-FX
1/4	SS-ADPT-B-L-1/4MM-FX
3/8	SS-ADPT-B-L-3/8MM-FX
1/2	SS-ADPT-B-L-1/2MM-FX

FLEXION Adaptor stainless steel AISI 316L elbow male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	SS-ADPT-B-L-1/8MF-FX
1/4	1/4	SS-ADPT-B-L-1/4MF-FX
3/8	3/8	SS-ADPT-B-L-3/8MF-FX
1/2	1/2	SS-ADPT-B-L-1/2MF-FX

FLEXION Adaptor stainless steel AISI 316L elbow female BSPP(G)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-ADPT-B-L-1/8FF-FX
1/4	SS-ADPT-B-L-1/4FF-FX
3/8	SS-ADPT-B-L-3/8FF-FX
1/2	SS-ADPT-B-L-1/2FF-FX

FLEXION Adaptor stainless steel AISI 316L tee adaptor female BSPP(G) - male BSPT(R)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Connection 2 thread size	Flexion code
1/8	1/8	SS-ADPT-B-T-1/8FMF-FX
1/4	1/4	SS-ADPT-B-T-1/4FMF-FX
3/8	3/8	SS-ADPT-B-T-3/8FMF-FX
1/2	1/2	SS-ADPT-B-T-1/2FMF-FX

FLEXION Adaptor stainless steel AISI 316L tee adaptor female BSPP(G)



TECHNICAL DATA

Material Stainless steel 316L (AISI)
Ambient temperature -20 - 200 °C
Maximum operating pressure 150 bar

Connection 1 thread size	Flexion code
1/8	SS-ADPT-B-T-1/8FFF-FX
1/4	SS-ADPT-B-T-1/4FFF-FX
3/8	SS-ADPT-B-T-3/8FFF-FX
1/2	SS-ADPT-B-T-1/2FFF-FX

Fflexion™

MANIFOLDS

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have developed a range of Aluminium Manifolds up to 12 bar based on our many years experience manufacturing specialist systems.



FLEXION Manifold aluminium BSPP(G)



TECHNICAL DATA

Material Anodised aluminium
Maximum operating pressure 12 bar
Operating temperature -40 to +150 °C

Port thread size	Flexion code
in	
1/8	MFLD-AL-1/8AN-FX
1/4	MFLD-AL-1/4AN-FX
3/8	MFLD-AL-3/8AN-FX
1/2	MFLD-AL-1/2AN-FX

FLEXION Manifold aluminium single sided BSPP(G)



TECHNICAL DATA

Material Anodised aluminium
Maximum operating pressure 12 bar
Operating temperature -40 to +150 °C

Port thread size	Supply thread size	Number of outlets	Flexion code
in	in		
1/8	1/4	2	MFLD-AL-1/4-1/8-2-FX
1/8	1/4	3	MFLD-AL-1/4-1/8-3-FX
1/8	1/4	4	MFLD-AL-1/4-1/8-4-FX
1/8	1/4	5	MFLD-AL-1/4-1/8-5-FX
1/4	3/8	2	MFLD-AL-3/8-1/4-2-FX
1/4	3/8	3	MFLD-AL-3/8-1/4-3-FX
1/4	3/8	4	MFLD-AL-3/8-1/4-4-FX
1/4	3/8	5	MFLD-AL-3/8-1/4-5-FX

FLEXION Manifold aluminium double sided BSPP(G)



TECHNICAL DATA

Material Anodised aluminium
Maximum operating pressure 12 bar
Operating temperature -40 to +150 °C

Port thread size	Supply thread size	Number of outlets	Flexion code
m	m		
1/8	1/4	2+2	MFLD-AL-1/4-1/8-2+2-FX
1/8	1/4	3+3	MFLD-AL-1/4-1/8-3+3-FX
1/8	1/4	4+4	MFLD-AL-1/4-1/8-4+4-FX
1/8	1/4	5+5	MFLD-AL-1/4-1/8-5+5-FX
1/4	3/8	2+2	MFLD-AL-3/8-1/4-2+2-FX
1/4	3/8	5+5	MFLD-AL-3/8-1/4-5+5-FX
1/4	3/8	3+3	MFLD-AL-3/8-1/4-3+3-FX
1/4	3/8	4+4	MFLD-AL-3/8-1/4-4+4-FX

Fflexion™

QUICK RELEASE COUPLINGS

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units.

As a leading pneumatics supplier we have developed an innovative, compact and ergonomic range of Safety Couplings, Quick release Couplings and Slide valves based on our many years experience manufacturing specialist systems.

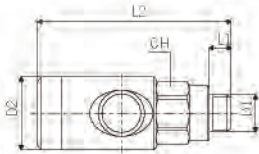


FLEXION Quick release safety coupling probe anodised aluminium male BSPP(G)



TECHNICAL DATA

Material	Anodised aluminium
Seal material	NBR (nitrile rubber)
Button material	Hardened Steel (zinc plated)
Material ball	Stainless steel 420 (AISI)
Material valve	Hardened Steel (zinc plated)
Spring material	Stainless steel 302 (AISI)
Thread material	Brass UNI EN 12164 CW614N Nickel plated
Venting ring material	Hardened Steel (zinc plated)
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,500 NI/min
Norm	ISO 4414
Maximum operating pressure	12 bar



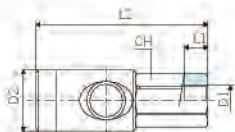
Size of threaded connection (inch)	CH	D1	D2	L1	L2	Flexion code
	mm				mm	
1/4	21	1/4	26	6.5	70	QRC-46-C-1/4M-FX
3/8	21	3/8	26	7	70	QRC-46-C-3/8M-FX
1/2	25	1/2	26	8.5	72.5	QRC-46-C-1/2M-FX

FLEXION Quick release safety coupling probe anodised aluminium female BSPP(G)



TECHNICAL DATA

Material	Anodised aluminium
Seal material	NBR (nitrile rubber)
Button material	Hardened Steel (zinc plated)
Material ball	Stainless steel 420 (AISI)
Material valve	Hardened Steel (zinc plated)
Spring material	Stainless steel 302 (AISI)
Thread material	Brass UNI EN 12164 CW614N Nickel plated
Venting ring material	Hardened Steel (zinc plated)
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,500 NI/min
Norm	ISO 4414
Maximum operating pressure	12 bar



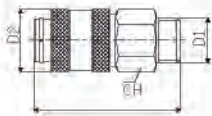
Size of threaded connection (inch)	CH	D1	D2	L1	L2	Flexion code
	mm				mm	
1/4	21	1/4	26	9	73.5	QRC-46-C-1/4F-FX
3/8	21	3/8	26	10	75.5	QRC-46-C-3/8F-FX
1/2	24	1/2	26	11	77.5	QRC-46-C-1/2F-FX

FLEXION Quick release coupling nickel plated brass male BSPP(G)



TECHNICAL DATA

Material	Brass UNI EN 12164 CW614N Nickel plated
Seal material	NBR (nitrile rubber)
Material ball	Stainless steel 420 (AISI)
Material valve	Brass UNI EN 12164 CW614N Nickel plated
Spring material	Stainless steel 302 (AISI)
Thread material	Brass UNI EN 12164 CW614N Nickel plated
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,400 NI/min
Maximum operating pressure	15 bar



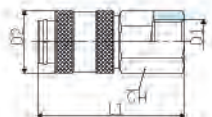
Size of threaded connection (inch)	CH	D1	D2	L1	Flexion code
	mm				
1/4	19	1/4	23	54	QRC-26-C-1/4M-FX
3/8	20	3/8	23	54	QRC-26-C-3/8M-FX
1/2	24	1/2	23	54	QRC-26-C-1/2M-FX

FLEXION Quick release coupling nickel plated brass female BSPP(G)



TECHNICAL DATA

Material	Brass UNI EN 12164 CW614N Nickel plated
Seal material	NBR (nitrile rubber)
Material ball	Stainless steel 420 (AISI)
Material valve	Brass UNI EN 12164 CW614N Nickel plated
Spring material	Stainless steel 302 (AISI)
Thread material	Brass UNI EN 12164 CW614N Nickel plated
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,400 NI/min
Maximum operating pressure	15 bar



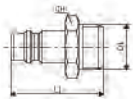
Size of threaded connection (inch)	CH	D1	D2	L1	Flexion code
	mm				
1/4	19	1/4	23	54	QRC-26-C-1/4F-FX
3/8	20	3/8	23	54	QRC-26-C-3/8F-FX
1/2	24	1/2	23	54	QRC-26-C-1/2F-FX

FLEXION Quick release coupling probe nickel plated brass male BSPP(G)



TECHNICAL DATA

Material	Brass UNI EN 12164 CW614N Nickel plated
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,400 NI/min
Maximum operating pressure	15 bar



Size of threaded connection (inch)	CH	D1	L1	Flexion code
	mm			
1/4	17	1/4	33	QRC-26-P-1/4M-FX
3/8	20	3/8	34	QRC-26-P-3/8M-FX
1/2	24	1/2	37	QRC-26-P-1/2M-FX

FLEXION Quick release coupling probe nickel plated brass female BSPP(G)



TECHNICAL DATA

Material	Brass UNI EN 12164 CW614N Nickel plated
Temperature range	-20 - 70 °C
Flow Rate (6 bar - delta p = 1 bar)	1,400 NI/min
Maximum operating pressure	15 bar



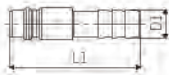
Size of threaded connection (inch)	CH	D1	L1	Flexion code
	mm			
1/4	17	1/4	33	QRC-26-P-1/4F-FX
3/8	20	3/8	34	QRC-26-P-3/8F-FX
1/2	24	1/2	37	QRC-26-P-1/2F-FX

FLEXION Quick release coupling probe hose tail nickel plated brass metric



TECHNICAL DATA

Material	Brass UNI EN 12164 CW614N Nickel plated
Temperature range	-20 - 70 °C
Maximum operating pressure	15 bar
Flow Rate (6 bar - delta p = 1 bar)	1,400 NI/min



Diameter, hose connector	D1	L1	Flexion code
mm			
6	7,5	48	QRC-26-P-HT6-FX
8	9,5	48	QRC-26-P-HT8-FX

FLEXION Slide valve 3/2 chrome plated brass BSPP(G)



TECHNICAL DATA

Operation	Manual
Type of body	Body Ported
Operating temperature	0 - 70 °C
Housing material	Chromium-plated brass
Seal material	NBR (nitrile rubber)
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication

Flow Rate (6 bar- delta p = 1 bar)	Port Size	Maximum operating pressure	Function	Flexion code
l/min	in	bar		
125	M5X0,8	10	3/2 Normally closed	EPVSLD-3/2-M5-FX
620	1/8	10	3/2 Normally closed	EPVSLD-3/2-1/8-FX
920	1/4	10	3/2 Normally closed	EPVSLD-3/2-1/4-FX
1520	3/8	10	3/2 Normally closed	EPVSLD-3/2-3/8-FX
2720	1/2	10	3/2 Normally closed	EPVSLD-3/2-1/2-FX

Fflexion™

SILENCERS

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have developed a range of silencers based on our many years experience manufacturing specialist systems.



FLEXION Silencer sintered bronze male BSPT(R)



TECHNICAL DATA

Housing material Sintered bronze

Port Size	Flexion code.
1/8	SLNCR-B-STD-1/8-FX
1/4	SLNCR-B-STD-1/4-FX
3/8	SLNCR-B-STD-3/8-FX

Port Size	Flexion code.
1/2	SLNCR-B-STD-1/2-FX
3/4	SLNCR-B-STD-3/4-FX
1	SLNCR-B-STD-1-FX

FLEXION Silencer sintered bronze washer flat male BSPT(R)



TECHNICAL DATA

Housing material Sintered bronze

Port Size	Flexion code.
1/8	SLNCR-B-PLUG-1/8-FX
1/4	SLNCR-B-PLUG-1/4-FX

Port Size	Flexion code.
3/8	SLNCR-B-PLUG-3/8-FX
1/2	SLNCR-B-PLUG-1/2-FX

FLEXION Silencer sintered bronze flat male BSPT(R)



TECHNICAL DATA

Housing material Sintered bronze

Part Size	Flexion code.
1/8	SLNCR-B-FLAT-1/8-FX
1/4	SLNCR-B-FLAT-1/4-FX

Part Size	Flexion code.
3/8	SLNCR-B-FLAT-3/8-FX
1/2	SLNCR-B-FLAT-1/2-FX

FLEXION Silencer polyethylene male BSPT(R)



TECHNICAL DATA

Housing material Polyethylene

Port Size	Flexion code.
1/8	SLNCR-P-STD-1/8-FX
1/4	SLNCR-P-STD-1/4-FX
3/8	SLNCR-P-STD-3/8-FX

Port Size	Flexion code.
1/2	SLNCR-P-STD-1/2-FX
3/4	SLNCR-P-STD-3/4-FX
1	SLNCR-P-STD-1-FX

FLEXION Regulator silencer polyethylene male BSPT(R)



TECHNICAL DATA

Housing material Polyethylene

Port Size	Flexion code.
1/8	SLNCR-P-FLWCT-1/8-FX
1/4	SLNCR-P-FLWCT-1/4-FX

Port Size	Flexion code.
3/8	SLNCR-P-FLWCT-3/8-FX
1/2	SLNCR-P-FLWCT-1/2-FX

FLEXION Silencer push-in polyethylene male



TECHNICAL DATA

Housing material Polyethylene

Stem Outside Diameter	Flexion code.
mm	
6	SLNCR-P-STEM-6MM-FX
8	SLNCR-P-STEM-8MM-FX

Stem Outside Diameter	Flexion code.
mm	
10	SLNCR-P-STEM-10MM-FX
12	SLNCR-P-STEM-12MM-FX

Fflexion™

BALL VALVES

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have selected a range of ball valves

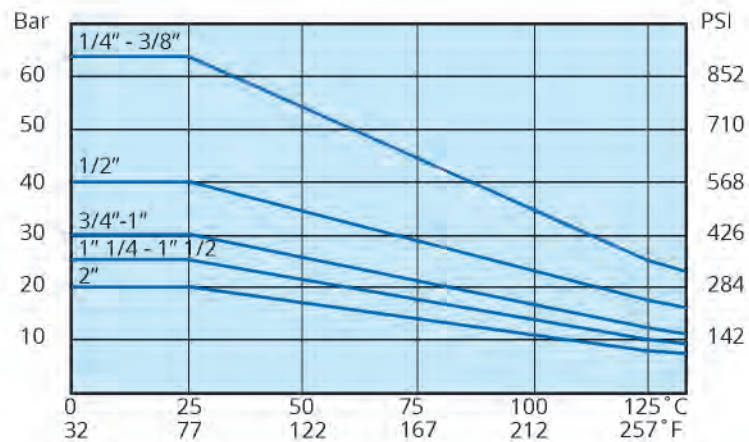


FLEXION Full bore handle ball valve nickel plated brass female BSPP(G)



TECHNICAL DATA

Housing construction	2-part
Housing material	CW 617 N UNI EN 12165 Chrome-plated forged brass
Material ball	CW 614 N UNI EN 12164 Nickel-plated brass bar, chrome plated
Material ball seal	PTFE (Teflon®)
Spindle material	CW 614 N UNI EN 12164 Machined brass bar, nickel-plated
Primary spindle seal material	PTFE (Teflon®)
Secondary spindle seal material	PTFE (Teflon®)
Operation	Hand grip
Actuator material	Steel Fe P02 zinc-plated, red P.V.C. insulated



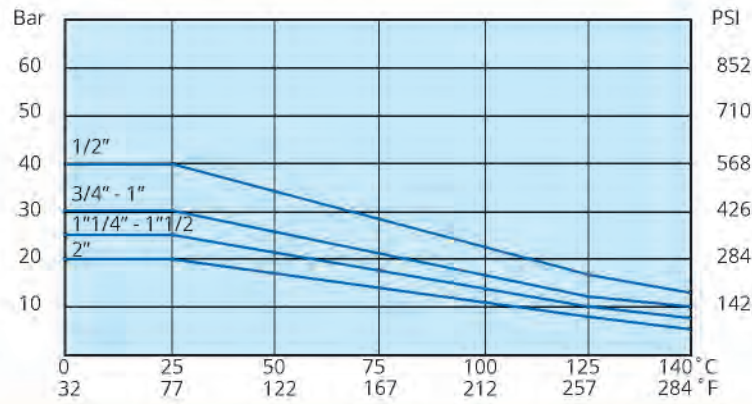
Nominal thread diameter	Full bore	Flexion code
1/4	Yes	BV-FB-FF-1/4-FX
3/8	Yes	BV-FB-FF-3/8-FX
1/2	Yes	BV-FB-FF-1/2-FX
3/4	Yes	BV-FB-FF-3/4-FX
1	Yes	BV-FB-FF-1-FX
1.1/4	Yes	BV-FB-FF-1.1/4-FX
1.1/2	Yes	BV-FB-FF-1.1/2-FX
2	Yes	BV-FB-FF-2-FX

FLEXION Handle ball valve gas approved nickel plated brass female BSPP(G)



TECHNICAL DATA

Housing construction	2-part
Housing material	CW 617 N UNI EN 12165 Chrome-plated forged brass
Material ball	CW 614 N UNI EN 12164 Machined brass bar, chrome-plated
Material ball seal	PTFE (Teflon®)
Spindle material	CW 614 N UNI EN 12164 Machined brass bar, nickel-plated
Operation	Hand grip
Actuator material	Steel Fe P02 zinc-plated, yellow P.V.C. insulated



Nominal diameter	Full bore	Flexion code
1/4	Yes	BV-GAS-FF-1/4-FX
3/8	Yes	BV-GAS-FF-3/8-FX
1/2	Yes	BV-GAS-FF-1/2-FX
3/4	Yes	BV-GAS-FF-3/4-FX
1	Yes	BV-GAS-FF-1-FX
1.1/4	Yes	BV-GAS-FF-1.1/4-FX
1.1/2	Yes	BV-GAS-FF-1.1/2-FX
2	Yes	BV-GAS-FF-2-FX

FLEXION Miniature ball Valve nickel-plated brass BSPP(G)



TECHNICAL DATA

Housing construction	1-part
Housing material	CW 617 N UNI EN 12165 Chrome-plated forged brass
Material ball	CW 614 N UNI EN 12164 Machined brass bar, chrome-plated
Material ball seal	PTFE (Teflon®)
Spindle material	CW 614 N UNI EN 12164 Machined brass bar, nickel-plated
Spindle o-ring material	NBR black
Operation	Hand grip
Actuator material	Glass-filled nylon, black coloured
Minimum medium temperature (continuous)	-10 °C
Maximum medium temperature (continuous)	90 °C
Maximum operating pressure	10 bar

Nominal diameter	Full bore	Flexion code
1/8	No	BV-MINI-FF-1/8-FX
1/4	No	BV-MINI-FF-1/4-FX
3/8	No	BV-MINI-FF-3/8-FX
1/2	No	BV-MINI-FF-1/2-FX
3/4	No	BV-MINI-FF-3/4-FX

Fflexion™

GAUGES

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have selected a range of gauges



FLEXION Process gauge painted black steel with BSPT(R) centre back



TECHNICAL DATA

Accuracy class acc. to ASME	ASME B40.1-1991 B GRADE (+/- 3% of span)
Liquid-damped	No
Connection location	Centre rear
Cabinet material	Black Painted Steel
Process connection material	Brass
Window material	Polycarbonate

Measuring range	Pressure unit	Cabinet diameter	Size of process connection	Flexion code
bar		mm		
0 - 1	bar/psi	40	1/8	PG40-0/-1-CB-FX
0 - 2	bar/psi	40	1/8	PG40-02-CB-FX
0 - 4	bar/psi	40	1/8	PG40-04-CB-FX
0 - 6	bar/psi	40	1/8	PG40-06-CB-FX
0 - 10	bar/psi	40	1/8	PG40-10-CB-FX
0 - 16	bar/psi	40	1/8	PG40-16-CB-FX
0 - 20	bar/psi	40	1/8	PG40-20-CB-FX
-1 - 0	bar/psi	50	1/8	PG50-0/-1-CB-FX
0 - 2	bar/psi	50	1/8	PG50-02-CB-FX
0 - 4	bar/psi	50	1/8	PG50-04-CB-FX
0 - 6	bar/psi	50	1/8	PG50-06-CB-FX
0 - 10	bar/psi	50	1/8	PG50-10-CB-FX
0 - 20	bar/psi	50	1/8	PG50-20-CB-FX
0 - 2	bar/psi	63	1/4	PG63-02-CB-FX
0 - 4	bar/psi	63	1/4	PG63-04-CB-FX
0 - 6	bar/psi	63	1/4	PG63-06-CB-FX
0 - 10	bar/psi	63	1/4	PG63-10-CB-FX
0 - 20	bar/psi	63	1/4	PG63-20-CB-FX

FLEXION Process gauge painted black steel with BSPT(R) panel mount



TECHNICAL DATA

Accuracy class acc. to ASME ASME B40.1-1991 B GRADE (+/- 3% of span)
Liquid-damped No
Connection location Panel mount
Cabinet material Black Painted Steel
Process connection material Brass
Window material Polycarbonate

Measuring range	Pressure unit	Cabinet diameter	Size of process connection	Flexion code
bar		mm		
0 - 2	bar/psi	40	1/8	PG40-02-PM-FX
0 - 4	bar/psi	40	1/8	PG40-04-PM-FX
0 - 6	bar/psi	40	1/8	PG40-06-PM-FX
0 - 10	bar/psi	40	1/8	PG40-10-PM-FX
0 - 2	bar/psi	50	1/8	PG50-02-PM-FX
0 - 4	bar/psi	50	1/8	PG50-04-PM-FX
0 - 6	bar/psi	50	1/8	PG50-06-PM-FX
0 - 10	bar/psi	50	1/8	PG50-10-PM-FX

FLEXION Process gauge painted black steel with BSPT(R) bottom entry



TECHNICAL DATA

Accuracy class acc. to ASME ASME B40.1-1991 B GRADE (+/- 3% of span)
Liquid-damped No
Connection location Bottom side
Cabinet material Black Painted Steel
Process connection material Brass
Window material Polycarbonate

Measuring range	Pressure unit	Cabinet diameter	Size of process connection	Flexion code
bar		mm		
0 - 1	bar/psi	50	1/8	PG50-0/-1-BE-FX
0 - 2	bar/psi	50	1/8	PG50-02-BE-FX
0 - 6	bar/psi	50	1/8	PG50-06-BE-FX
0 - 10	bar/psi	50	1/8	PG50-10-BE-FX
0 - 16	bar/psi	50	1/8	PG50-16-BE-FX
0 - 20	bar/psi	50	1/8	PG50-20-BE-FX
-1 - 0	bar/psi	63	1/4	PG63-0/-1-BE-FX
0 - 2	bar/psi	63	1/4	PG63-02-BE-FX
0 - 6	bar/psi	63	1/4	PG63-06-BE-FX
1 - 10	bar/psi	63	1/4	PG63-10-BE-FX
0 - 16	bar/psi	63	1/4	PG63-16-BE-FX
0 - 20	bar/psi	63	1/4	PG63-20-BE-FX

FLEXION Process gauge painted black steel with BSPP(G) bottom entry



TECHNICAL DATA

Accuracy class acc. to ASME	ASME B40.1-1991 A GRADE (+/- 1% of span)
Liquid-damped	No
Connection location	Bottom side
Cabinet material	Black Painted Steel
Process connection material	Brass
Window material	Polycarbonate

Measuring range	Pressure unit	Cabinet diameter	Size of process connection	Flexion code
bar		mm		
0 - 1	bar/psi	100	3/8	PG100-0/-1-BE-FX
0 - 2	bar/psi	100	3/8	PG100-02-BE-FX
0 - 6	bar/psi	100	3/8	PG100-06-BE-FX
0 - 10	bar/psi	100	3/8	PG100-10-BE-FX
0 - 14	bar/psi	100	3/8	PG100-14-BE-FX
0 - 16	bar/psi	100	3/8	PG100-16-BE-FX
0 - 20	bar/psi	100	3/8	PG100-20-BE-FX

FLEXION Process gauge stainless steel AISI 316L with BSPP(G) bottom entry



TECHNICAL DATA

Accuracy class acc. to EN	EN 873-1 (1% of scale)
Liquid-damped	No
Connection location	Bottom side
Cabinet material	Stainless steel 316L (AISI)
Process connection material	Stainless steel 316L (AISI)
Window material	Laminated Safety Glass

Measuring range	Pressure unit	Cabinet diameter	Size of process connection	Flexion code
bar		mm		
-1 - 0	bar/psi	100	1/2	PG100-SS-0/-1-BE-FX
0 - 2	bar/psi	100	1/2	PG100-SS-02-BE-FX
0 - 6	bar/psi	100	1/2	PG100-SS-06-BE-FX
0 - 10	bar/psi	100	1/2	PG100-SS-10-BE-FX

FLEXION Glycerine bottle for gauge

Model	Flexion code
Glycerine bottle 100 ml	GLY-BTL-100MM-FX

Fflexion™

BLOW GUNS

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have developed a range of Blow Guns based on our many years experience manufacturing specialist systems.

Note: It is strongly recommended that blow guns are supplied with compressed air no greater than 2 bar pressure



FLEXION Blow gun plastic EAG-A-FX



Connection	Port thread type	Flexion code
1/4"	BSPP (G)	EAG-A-FX

FLEXION Blow gun metal EAG-M-FX



Connection	Port thread type	Flexion code
1/4"	BSPP (G)	EAG-M-FX

Fflexion™

PIPEWORK

Any system is only as good as its weakest link. FLEXION™ have brought together a range of supporting products used to connect and enhance the performance of the complete system.

Quality and performance are just as critical when you consider that these form the main connection between the operating units. As a leading pneumatics supplier we have developed a range of fittings that helps you to connect your different components



FLEXION Equal nipple with hexagon galvanised steel male BSPT(R)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection / thread size	Flexion code
1/4	280-14-FX
3/8	280-38-FX
1/2	280-12-FX
3/4	280-34-FX
1	280-1-FX
2	280-2-FX
1.1/4	280-114-FX
1.1/2	280-112-FX

FLEXION Equal barell nipple galvanised steel BSPT(R)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection / thread size	Length	Flexion code
	mm	
1/8	80	BN-18X80-FX
1/4	40	BN-14X40-FX
1/2	50	BN-12X50-FX
3/4	60	BN-34X60-FX
1	60	BN-1X60-FX

FLEXION Reducing nipple with hexagon galvanised steel male BSPT(R)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Connection 2 thread size	Flexion code
3/8	1/4	245-38-14-FX
1/2	1/4	245-12-14-FX
1/2	3/8	245-12-38-FX
3/4	3/8	245-34-38-FX
3/4	1/2	245-34-12-FX
1	1/2	245-1-12-FX
1	3/4	245-1-34-FX
1.1/4	3/4	245-114-34-FX
1.1/4	1	245-114-1-FX
1.1/2	1	245-112-1-FX
1.1/2	1.1/4	245-112-114-FX
2	1	245-2-1-FX

FLEXION Reducing bush galvanised steel male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Connection 2 thread size	Flexion code
3/8	1/4	241-38-14-FX
1/2	1/4	241-12-14-FX
1/2	3/8	241-12-38-FX
3/4	3/8	241-34-38-FX
3/4	1/2	241-34-12-FX
1	3/8	241-1-38-FX
1	1/2	241-1-12-FX
1.1/4	1/2	241-114-12-FX
1	3/4	241-1-34-FX
1.1/4	3/4	241-114-34-FX
1.1/4	1	241-114-1-FX
1.1/2	1/2	241-112-12-FX
1.1/2	3/4	241-112-34-FX
1.1/2	1	241-112-1-FX
1.1/2	1.1/4	241-112-114-FX
2	1/2	241-2-12-FX
2	3/4	241-2-34-FX
2	1	241-2-1-FX
2	1.1/4	241-2-114-FX
2	1.1/2	241-2-112-FX

FLEXION Equal socket galvanised steel female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Flexion code
1/4	270-14-FX
3/8	270-38-FX
1/2	270-12-FX
3/4	270-34-FX
1	270-1-FX
1.1/4	270-114-FX
1.1/2	270-112-FX
2	270-2-FX

FLEXION Reducing socket galvanised steel female BSPP(G)

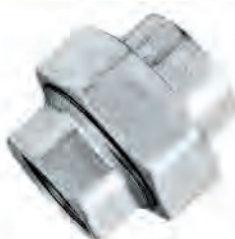


TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Connection 2 thread size	Flexion code
3/8	1/4	240-38-14-FX
1/2	1/4	240-12-14-FX
1/2	3/8	240-12-38-FX
3/4	3/8	240-34-38-FX
3/4	1/2	240-34-12-FX
1	3/8	240-1-38-FX
1	1/2	240-1-12-FX
1	3/4	240-1-34-FX
1.1/4	1/2	240-114-12-FX
1.1/4	3/4	240-114-34-FX
1.1/4	1	240-114-1-FX
1.1/2	1/2	240-112-12-FX
1.1/2	3/4	240-112-34-FX
1.1/2	1	240-112-1-FX
1.1/2	1.1/4	240-112-114-FX
2	3/4	240-2-34-FX
2	1	240-2-1-FX
2	1.1/4	240-2-114-FX
2	1.1/2	240-2-112-FX

FLEXION Equal union taperseat galvanised steel female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Flexion code
3/8	340-38-FX
1/2	340-12-FX
3/4	340-34-FX
1	340-1-FX
1.1/4	340-114-FX
1.1/2	340-112-FX
2	340-2-FX

FLEXION Reducing socket galvanised steel female BSPP(G) - male BSPT(R)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Connection 2 thread size	Flexion code
3/4	1/2	246-34-12-FX
1	3/4	246-1-34-FX
1.1/4	1	246-114-1-FX

FLEXION Hollow plug beaded galvanised steel BSPT(R)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Flexion code
1/4	290-14-FX
3/8	290-38-FX
1/2	290-12-FX
3/4	290-34-FX
1	290-1-FX
1.1/4	290-114-FX
1.1/2	290-112-FX
2	290-2-FX

FLEXION Equal elbow 90° galvanised steel male BSPT(R) - female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Connection 2 thread size	Flexion code
1/4	1/4	92-14-FX
1/2	1/2	92-12-FX
3/8	3/8	92-38-FX
3/4	3/4	92-34-FX
1	1	92-1-FX
1.1/4	1.1/4	92-114-FX
1.1/2	1.1/2	92-112-FX
2	2	92-2-FX

FLEXION Equal elbow 90° galvanised steel female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection 1 thread size	Flexion code
1/4	90-14-FX
3/8	90-38-FX
1/2	90-12-FX
3/4	90-34-FX
1	90-1-FX
1.1/4	90-114-FX
1.1/2	90-112-FX
2	90-2-FX

FLEXION Equal tee galvanised steel female BSPP(G)



TECHNICAL DATA

Material	Malleable cast iron
Material class	W40-05, conforming to ISO5922 / DIN 1692
Surface treatment	Hot dip galvanised finish to ISO 1460 standard

Connection / thread size	Flexion code
1/4	130-14-FX
3/8	130-38-FX
1/2	130-12-FX
3/4	130-34-FX
1	130-1-FX
1,1/4	130-114-FX
1,1/2	130-112-FX
2	130-2-FX

FLEXION School board bracket galvanised steel



TECHNICAL DATA

Material	Malleable cast iron
Material quality	W40-05, conforming to ISO5922 / DIN 1692
Surface protection	Hot dip galvanised finish to ISO 1460 standard

Suitable for pipe diameter	Flexion code
~	
1/4	SBB-14-FX
3/8	SBB-38-FX
1/2	SBB-12-FX
3/4	SBB-34-FX
1	SBB-1-FX
1,1/4	SBB-114-FX
1,1/2	SBB-112-FX
2	SBB-2-FX

FLEXION Tube with socket length 3.25 meters



TECHNICAL DATA

Material	Malleable cast iron
Material quality	W40-05, conforming to ISO5922 / DIN 1692
Surface protection	Hot dip galvanised finish to ISO 1460 standard

Outer pipe diameter	Commercial length	Flexion code
in	m	
1/2	3.25	GALV-TUBE12-FX
3/4	3.25	GALV-TUBE34-FX
1	3.25	GALV-TUBE1-FX
1.1/4	3.25	GALV-TUBE114-FX
1.1/2	3.25	GALV-TUBE112-FX
2	3.25	GALV-TUBE2-FX

flexionTM

CYLINDERS

FLEXIONTM offer a wide range of industry standard actuators in popular bore sizes and strokes. FLEXIONTM actuators have magnetic sensing as standard and both styles utilise the same sensors.

FLEXION VDMA PROFILE CYLINDERS

The ISO 15552 cylinders have been designed to keep the exterior as free as possible from unnecessary cavities to offer a clean profile. With fully adjustable cushions, they also incorporate a polymer buffer in the piston to provide excellent noise reduction properties.

FLEXION MINI ISO CYLINDERS

The round Mini, ISO 6432, cylinder range includes single acting units, and the barrel and end caps are double crimped for leak free performance. The range of sensors includes reed and solid state switches, with M8 standard connection options for ease of installation.



1. MAGNETIC PISTON ASSEMBLY
For precise position monitoring.



2. ADDITIONAL POLYMER CUSHION
Extends life and reduces noise levels.



3. SLOTTED PROFILE
Square and round slotted profile to accommodate most sensor types.



4. NO UNNECESSARY CAVITIES
Reducing potential contamination.



5. DOUBLE CRIMPED BARREL
Ensures leak free operation.

FLEXION Double acting cylinder ISO6432 roundline



TECHNICAL DATA

Execution	Roundline cylinder
Operation	Double acting
ISO Standard	ISO 6432
Magnetic	Magnetic
Barrel material	Stainless steel 304 (1.4301)
Material piston rod	Stainless steel 303 (1.4305)
Seal material	Polyurethane / NBR
End caps material	Anodised aluminium
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication
Operating temperature	-30 - 80 °C
Operating pressure	1 - 10 bar
Lifespan	>5000km

Body diameter	Stroke length	Flexion code
mm	mm	
10	10	EPC10-10IDA-FX
10	25	EPC10-25IDA-FX
10	50	EPC10-50IDA-FX
12	10	EPC12-10IDA-FX
12	25	EPC12-25IDA-FX
12	50	EPC12-50IDA-FX
12	160	EPC12-160IDA-FX
16	10	EPC16-10IDA-FX
16	25	EPC16-25IDA-FX
16	50	EPC16-50IDA-FX
16	80	EPC16-80IDA-FX
16	100	EPC16-100IDA-FX
16	125	EPC16-125IDA-FX
20	10	EPC20-10IDA-FX
20	25	EPC20-25IDA-FX
20	40	EPC20-40IDA-FX
20	50	EPC20-50IDA-FX
20	80	EPC20-80IDA-FX
20	100	EPC20-100IDA-FX
20	125	EPC20-125IDA-FX
20	160	EPC20-160IDA-FX
20	200	EPC20-200IDA-FX
25	10	EPC25-10IDA-FX
25	25	EPC25-25IDA-FX
25	50	EPC25-50IDA-FX
25	80	EPC25-80IDA-FX
25	100	EPC25-100IDA-FX
25	125	EPC25-125IDA-FX
25	160	EPC25-160IDA-FX
25	200	EPC25-200IDA-FX
25	250	EPC25-250IDA-FX

FLEXION Single acting cylinder ISO6431 roundline



TECHNICAL DATA

Execution	Roundline cylinder
Operation	Single acting
ISO Standard	ISO 6432
Magnetic	Magnetic
Barrel material	Stainless steel 304 (1.4301)
Material piston rod	Stainless steel 303 (1.4305)
Seal material	Polyurethane / NBR
End caps material	Anodised aluminium
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication
Operating temperature	-30 - 80 °C
Operating pressure	1 - 10 bar
Lifespan	>5000km

Bore diameter	Stroke length	Flexion code
mm	mm	
10	25	EPC10-25ISR-FX
10	50	EPC10-50ISR-FX
12	25	EPC12-25ISR-FX
12	50	EPC12-50ISR-FX
16	25	EPC16-25ISR-FX
16	50	EPC16-50ISR-FX
20	25	EPC20-25ISR-FX
20	50	EPC20-50ISR-FX
25	25	EPC25-25ISR-FX
25	50	EPC25-50ISR-FX

FLEXION Rear clevis with pin for cylinder 8-25mm bore



TECHNICAL DATA

Material	Steel
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Suitable for diameter	Suitable for cylinder	Flexion code
mm		
8, 10	ISO6432	EPC8-10CLI-FX
12, 16	ISO6432	EPC12-16CLI-FX
20, 25	ISO6432	EPC20-25CLI-FX

FLEXION Foot mounting for cylinder 8-25mm bore



TECHNICAL DATA

Material Steel

Suitable for diameter mm	Suitable for cylinder	Flexion code
8, 10	ISO6432	EPC8-10FTI-FX
12, 16	ISO6432	EPC12-16FTI-FX
20, 25	ISO6432	EPC20-25FTI-FX

FLEXION Flange mounting for cylinder 8-25mm bore



TECHNICAL DATA

Material Steel

Suitable for diameter mm	Suitable for cylinder	Flexion code
8, 10	ISO6432	EPC8-10FLI-FX
12, 16	ISO6432	EPC12-16FLI-FX
20, 25	ISO6432	EPC20-25FLI-FX

FLEXION Double acting magnetic ISO15552 profile cylinder



TECHNICAL DATA

Execution	Profile cylinder
Operation	Double acting
ISO Standard	ISO 15552
Magnetic	Magnetic
Barrel material	Anodised aluminium
Material piston rod	Stainless steel 304 (1.4301)
Seal material	Polyurethane / NBR
End caps material	Die-cast painted aluminium
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication
Operating temperature	-30 - 80 °C
Operating pressure	1 - 10 bar
Lifespan	>5000km

Barrel diameter	Stroke length	Flexion code
mm	mm	
32	25	EPC32-25VDAK-FX
32	50	EPC32-50VDAK-FX
32	80	EPC32-80VDAK-FX
32	100	EPC32-100VDAK-FX
32	125	EPC32-125VDAK-FX
32	150	EPC32-150VDAK-FX
32	160	EPC32-160VDAK-FX
32	200	EPC32-200VDAK-FX
32	250	EPC32-250VDAK-FX
32	300	EPC32-300VDAK-FX
32	320	EPC32-320VDAK-FX
32	400	EPC32-400VDAK-FX
32	450	EPC32-450VDAK-FX
32	500	EPC32-500VDAK-FX
32	550	EPC32-550VDAK-FX
32	600	EPC32-600VDAK-FX
32	650	EPC32-650VDAK-FX
32	700	EPC32-700VDAK-FX
32	750	EPC32-750VDAK-FX
32	800	EPC32-800VDAK-FX
32	850	EPC32-850VDAK-FX
32	900	EPC32-900VDAK-FX
32	950	EPC32-950VDAK-FX
32	1000	EPC32-1000VDAK-FX

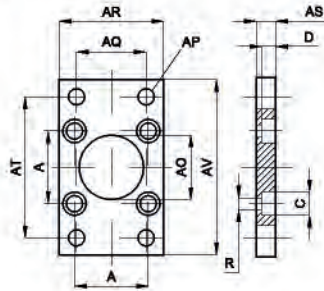
FLEXION Flange mounting complete with screws for cylinder 32-100mm bore

TECHNICAL DATA



Material

Steel



Flange ISO MF1 / MF2

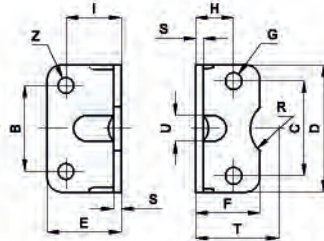
Suitable for diameter	Suitable for cylinder	Weight	A	AO	AP	AQ	AR	AS	AT	AV	C	D	R	Flexion code
mm		g	mm	mm	mm	mm	45	mm	mm	mm	mm	mm	mm	
32	ISO15552, ISO21287	190	32.5	30	7	32	45	10	64	80	10.5	6.5	7	EPC32-FL-FX
40	ISO15552, ISO21287	246	38	35	9	36	52	10	72	90	10.5	6.5	7	EPC40-FL-FX
50	ISO15552, ISO21287	478	46.5	40	9	45	65	12	90	110	13.5	8.5	9	EPC50-FL-FX
63	ISO15552, ISO21287	622	56.5	45	9	50	75	12	100	120	13.5	8.5	9	EPC63-FL-FX
80	ISO15552, ISO21287	1430	72	45	12	63	95	16	126	150	16.5	10.5	11	EPC80-FL-FX
100	ISO15552, ISO21287	1986	89	55	14	75	115	16	150	170	16.5	10.5	11	EPC100-FL-FX

FLEXION Foot mounting complete with screws for cylinder 32-100mm bore

TECHNICAL DATA



Material Steel



Low foot MS1

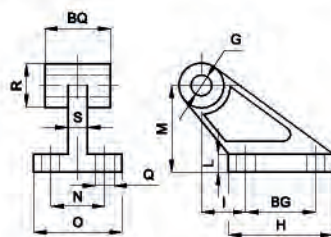
Suitable for diameter	Suitable for cylinder	Weight	B	C	D	E	F	G	H	I	R	S	T	U	Z	Flexion code
mm		g	mm	mm	mm	mm	30	mm	mm	mm	mm	mm	mm	mm	mm	
32	ISO15552, ISO21287	66	32	32.5	45	35	30	7	15.75	24	15	4	32	11	7	EPC32-FT-FX
40	ISO15552, ISO21287	78	36	38	52	36	30	7	17	28	17.5	4	36	15	9	EPC40-FT-FX
50	ISO15552, ISO21287	168	45	46.5	65	47	36	9	21.75	32	20	5	45	16	9	EPC50-FT-FX
63	ISO15552, ISO21287	190	50	56.5	75	45	35	9	21.75	32	22.5	5	50	18	9	EPC63-FT-FX
80	ISO15552, ISO21287	382	63	72	95	55	47	11	27	41	22.5	6	63	17	12	EPC80-FT-FX
100	ISO15552, ISO21287	452	75	89	115	57	53	11	26.5	41	27.5	6	71	24	14	EPC100-FT-FX

FLEXION Rear 90° hinge for cylinder 32-100mm bore

TECHNICAL DATA



Material Aluminium



Rear 90° hinge

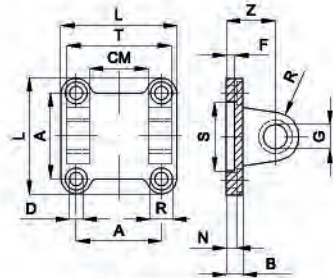
Suitable for diameter	Suitable for cylinder	Weight	BG	BQ	G	H	I	L	M	N	O	Q	R	S	Flexion code
mm		g	mm	mm	mm	mm	18	mm	mm	mm	mm	mm	mm	mm	
32	ISO15552, ISO21287	54	20	26	10	37	18	8	32	25	41	7	19	9	EPC32-HG-FX
40	ISO15552, ISO21287	136	32	28	12	54	25	10	45	32	52	9	26	14	EPC40-HG-FX
50	ISO15552, ISO21287	140	32	32	12	54	25	10	45	32	52	9	26	14	EPC50-HG-FX
63	ISO15552, ISO21287	295	50	40	16	75	32	12	63	40	63	11	32	14	EPC63-HG-FX
80	ISO15552, ISO21287	313	50	50	16	75	32	12	63	40	63	11	32	14	EPC80-HG-FX
100	ISO15552, ISO21287	710	70	60	20	103	40	17	90	50	80	14	42	22	EPC100-HG-FX

FLEXION Rear clevis complete with pin and screws MP2 for cylinders 32-100mm bore

TECHNICAL DATA



Material Aluminium



Rear clevis MP2

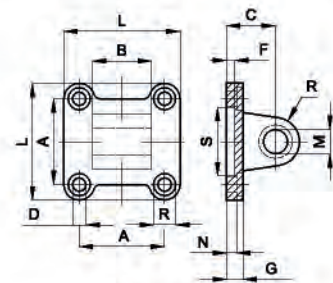
Suitable for diameter	Suitable for cylinder	Weight	A	B	CM	D	F	G	L	N	R	S	T	Z	Flexion code
mm		g	mm	mm	mm	mm	5	mm	mm	mm	mm	mm	mm	mm	
32	ISO15552, ISO21287	48	32.5	9	26	6.6	5	10	45	5.5	11	30	45	22	EPC32-CLMP2-FX
40	ISO15552, ISO21287	75	38	9	28	6.6	5	12	52	5.5	11	35	52	25	EPC40-CLMP2-FX
50	ISO15552, ISO21287	124	46.5	11	32	9	5	12	65	6.5	15	40	60	27	EPC50-CLMP2-FX
63	ISO15552, ISO21287	192	56.5	11	40	9	5	16	75	6.5	15	45	70	32	EPC63-CLMP2-FX
80	ISO15552, ISO21287	380	72	14	50	11	5	16	95	10	18	45	90	36	EPC80-CLMP2-FX
100	ISO15552, ISO21287	620	89	14	60	11	5	20	115	10	18	55	110	41	EPC100-CLMP2-FX

FLEXION Rear eye complete with screws MP4 for cylinder 32-100mm bore

TECHNICAL DATA



Material Aluminium



Rear eye MP4

Suitable for diameter	Suitable for cylinder	Weight	A	B	C	D	F	G	L	M	N	R	S	Flexion code
mm		g	mm	mm	mm	mm	5	mm	mm	mm	mm	mm	mm	
32	ISO15552, ISO21287	54	32.5	26	22	6.6	5	9	45	10	5.5	11	30	EPC32-REMP4-FX
40	ISO15552, ISO21287	76	38	28	25	6.6	5	9	52	12	5.5	11	35	EPC40-REMP4-FX
50	ISO15552, ISO21287	124	46.5	32	27	9	5	11	65	12	6.5	15	40	EPC50-REMP4-FX
63	ISO15552, ISO21287	212	56.5	40	32	9	5	11	75	16	6.5	15	45	EPC63-REMP4-FX
80	ISO15552, ISO21287	420	72	50	36	11	5	14	95	16	10	18	45	EPC80-REMP4-FX
100	ISO15552, ISO21287	666	89	60	41	11	5	14	115	20	10	18	55	EPC100-REMP4-FX

FLEXION Piston rod clevis ISO8140 for cylinder 8-100mm bore



TECHNICAL DATA

Material White zinc plated steel

Suitable for diameter mm	Suitable for cylinder	Thread size	Flexion code
8, 10	ISO6432	M4	EPC8-10RODCL-FX
12, 16	ISO6432	M6	EPC12-16RODCL-FX
20	ISO6432	M8	EPC20-RODCL-FX
25, 32	ISO6432, ISO15552	M10x1.25	EPC25-32RODCL-FX
40	ISO15552	M12x1.25	EPC40-RODCL-FX
50, 63	ISO15552	M16x1.5	EPC50-63RODCL-FX
80, 100	ISO15552	M20x1.5	EPC80-100RODCL-FX

FLEXION Piston rod eye DIN648K and ISO8139 for cylinder 8-100mm bore



TECHNICAL DATA

Material Zinc / Nickel Plated Steel

Suitable for diameter mm	Suitable for cylinder	Thread size	Flexion code
8, 10	ISO6432	M4	EPC8-10RODEYE-FX
12, 16	ISO6432	M6	EPC12-16RODEYE-FX
20	ISO6432	M8	EPC20-RODEYE-FX
25, 32	ISO6432, ISO15552	M10x1.25	EPC25-32RODEYE-FX
40	ISO15552	M12x1.25	EPC40-RODEYE-FX
50, 63	ISO15552	M16x1.5	EPC50-63RODEYE-FX
80, 100	ISO15552	M20x1.5	EPC80-100RODEYE-FX

FLEXION Sealkit for cylinder 32-100mm bore

TECHNICAL DATA

Suitable for diameter mm	Suitable for cylinder	Flexion code
32	ISO15552	EPC32-SEALKIT-FX
40	ISO15552	EPC40-SEALKIT-FX
50	ISO15552	EPC50-SEALKIT-FX
63	ISO15552	EPC63-SEALKIT-FX
80	ISO15552	EPC80-SEALKIT-FX
100	ISO15552	EPC100-SEALKIT-FX

FLEXION Compact ISO21287 cylinder



TECHNICAL DATA

Execution	Compact cylinder
Operation	Double acting
ISO Standard	ISO 21287
Magnetic	Magnetic
Barrel material	Anodised aluminium
Material piston rod	Stainless steel 303 (1.4305)
Piston rod seal material	Polyurethane
Seal material	Polyurethane / NBR
End caps material	Anodised aluminium
Material spherical bearing	Sintered bronze, PTFE
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication
Operating temperature	-30 - 80 °C
Operating pressure	1 - 10 bar
Lifespan	>10.000km

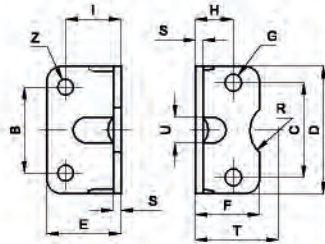
Bore diameter	Stroke length	Flexion code
mm	mm	
16	5	EPC16-5CFDA-FX
16	10	EPC16-10CFDA-FX
16	15	EPC16-15CFDA-FX
16	20	EPC16-20CFDA-FX
16	25	EPC16-25CFDA-FX
20	5	EPC20-5CFDA-FX
20	10	EPC20-10CFDA-FX
20	15	EPC20-15CFDA-FX
20	20	EPC20-20CFDA-FX
20	25	EPC20-25CFDA-FX
25	5	EPC25-5CFDA-FX
25	10	EPC25-10CFDA-FX
25	15	EPC25-15CFDA-FX
25	20	EPC25-20CFDA-FX
25	25	EPC25-25CFDA-FX
25	30	EPC25-30CFDA-FX
25	40	EPC25-40CFDA-FX
25	50	EPC25-50CFDA-FX
32	10	EPC32-10CFDA-FX
32	20	EPC32-20CFDA-FX
32	25	EPC32-25CFDA-FX
32	30	EPC32-30CFDA-FX
32	40	EPC32-40CFDA-FX
32	50	EPC32-50CFDA-FX

FLEXION Foot mounting complete with screws for compact cylinder 16-25mm bore

TECHNICAL DATA



Material Steel



Low foot MS1

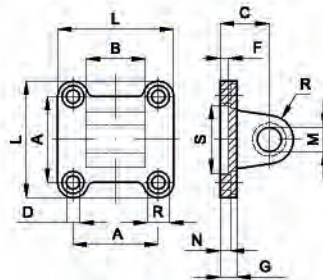
Suitable for diameter	Suitable for cylinder	Weight	B	C	D	E	F	G	H	I	R	S	T	U	Z	Flexion code
mm		g	mm	mm	mm	mm	17.5	mm	mm	mm	mm	mm	mm	mm	mm	
16	ISO21287	20	18	18	30	17.5	17.5	4.4	13	13	9	3	15	2	5.5	EPC16-FTC-FX
20	ISO21287	32	22	22	36	22	22	5.4	16	16	10	4	17	2	6.6	EPC20-FTC-FX
25	ISO21287	38	26	26	40	22	23	5.4	17	16	11	4	19	2	6.6	EPC25-FTC-FX

FLEXION Rear eye complete with screws MP4 for compact cylinder 16-25mm bore

TECHNICAL DATA



Material Aluminium



Rear eye MP4

Suitable for diameter	Suitable for cylinder	Weight	A	B	C	D	F	G	L	M	N	R	S	Flexion code
mm		g	mm	mm	mm	mm	3	mm	mm	mm	mm	mm	mm	
16	ISO15552, ISO21287	17	18	12	16	4.5	3	6	27	6	2.6	6	10	EPC16-REMP4-FX
20	ISO15552, ISO21287	21	22	16	20	5.5	3	6	34	8	2.6	8	12	EPC20-REMP4-FX
25	ISO15552, ISO21287	27	26	16	20	5.5	3	6	38	8	2.6	8	12	EPC25-REMP4-FX

FLEXION Reed sensor for pneumatic cylinder



TECHNICAL DATA

Max. switching current	100
Cable material	PVC, Black
Temperature range	-10 - 70 °C
Degree of protection (IP)	IP67 (IEC 529)

Circuit	Voltage	Contact rating	Max. voltage drop	LED colour	Cable length	Cable diameter	Electrical connection	Flexion code
		W	V		mm	mm	Flying Lead	
Reed Switch, 2 poles, normally open	5 - 240 V DC/AC	10	3	Red	2500	3.3	Flying Lead	EPCSWRD2FL-FX
Reed Switch, PNP, 3 poles, normally open	10 - 30 V DC	3	0.1	Yellow	300	3.3	Connector M8	EPCSWRD3M8-FX

FLEXION Solid state sensor for pneumatic cylinder



TECHNICAL DATA

Max. switching current	100
Cable material	PVC, Black
Temperature range	-10 - 70 °C
Degree of protection (IP)	IP67 (IEC 529)

Circuit	Voltage	Contact rating	Max. voltage drop	LED colour	Cable length	Cable diameter	Electrical connection	Flexion code
		W	V		mm	mm	Connector M8	
Reed-Hall, PNP, 3 poles, normally open, solid state output	10 - 30 V/DC	3	2	Yellow	300	3.3	Connector M8	EPCSWPNP3M8-FX
Reed-Hall, NPN, 3 poles, normally open, solid state output	10 - 30 V/DC	3	2	Red	300	3.3	Connector M8	EPCSWNPN3M8-FX

FLEXION Sensor mounting band for cylinder 10-25mm bore



TECHNICAL DATA

Material Polyamide

Suitable for diameter mm	Suitable for cylinder	Flexion code
10	ISO6432	EPCSWB10-FX
12	ISO6432	EPCSWB12-FX
16	ISO6432	EPCSWB16-FX
20	ISO6432	EPCSWB20-FX
25	ISO6432	EPCSWB25-FX

FLEXION Extension cable with M8 connector



TECHNICAL DATA

Nominal cross section conductor 0.22 mm²
AWG size 24
Number of cores 3
Material outer sheath PVC
Colour outer sheath Black
Oil resistant (acc. EN 60811-2-1) Yes
Max. operating voltage 300 V
Degree of protection (IP) IP67

Cable length m	type of electric connection	Flexion code
2	Connector M8	EPCSWEXTCBL2M-FX
5	Connector M8	EPCSWEXTCBL5M-FX
10	Connector M8	EPCSWEXTCBL10M-FX

Flexion™

VALVES

The range of FLEXION™ pneumatics valves incorporates solenoid, pilot and manually actuated units with port sizes 1/8", 1/4" and 1/2".

With 3 port normally closed, and 5 port valves with all the popular spool options the FLEXION™ range of valves will meet most of your application requirements.

Flow rates up to 2900 litres per minute giving excellent flow performance for their body sizes for optimum actuator speeds and performance.

Using a static seal design gives improved life expectancy of over 20 million cycles, and all the valves are prelubricated ensuring thousands of trouble free operating hours for typical valve applications.

Body ported valves have through holes for direct mounting and manifolds available for the solenoid and pilot versions - the FLEXION™ range offers great versatility for your automation control needs.



1. EXCELLENT FLOW PERFORMANCE

With flow rates up to 2900 litres/min providing optimum speed and performance.



2. ALL SPOOL OPTIONS AVAILABLE

3/2 normally closed, 5/2 single and double solenoid, 5/3 closed, pressured.



3. STATIC SEAL DESIGN

Allowing life expectancy beyond 20 million cycles.



4. FLEXIBLE MOUNTING OPTIONS

Through holes for direct mounting and manifold mount options.



5. LOW POWER COIL

Low power coils for 24V DC versions, 110V AC and 230V AC coils also available.

FLEXION Pneumatic solenoid valve



TECHNICAL DATA

Operation	Electrical
Type of body	Manifold
Operating temperature	-10 - 60 °C
Housing material	Die-cast painted aluminum
Material cover	PBT
Spool material	Hard aluminium anodized
Distancers Material	Aluminium
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Solenoid Interface	Conforming to CNOMO
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.
Norm	ISO 5599/1

Flow Rate (6 bar delta p = 1 bar)	Operating pressure	Min. Pilot Pressure	Function	Size	Orifice	Flexion code
l/min	bar	bar			mm	
1100	0 - 10	2	5/2 Monostable	ISO 1	8,5	EPVS-5/2-ISO1-SS-FX
1100	0 - 10	1	5/2 Bistable	ISO 1	8,5	EPVS-5/2-ISO1-DS-FX
1100	0 - 10	2,5	5/3 Centre closed	ISO 1	8,5	EPVS-5/3-ISO1-CC-FX
1100	0 - 10	2,5	5/3 Centre open exhaust	ISO 1	8,5	EPVS-5/3-ISO1-CE-FX
1100	0 - 10	2,5	5/3 Centre open pressure	ISO 1	8,5	EPVS-5/3-ISO1-CP-FX
2900	0 - 10	2	5/2 Monostable	ISO 2	15	EPVS-5/2-ISO2-SS-FX
2900	0 - 10	1	5/2 Bistable	ISO 2	15	EPVS-5/2-ISO2-DS-FX
2900	0 - 10	2,5	5/3 Centre closed	ISO 2	15	EPVS-5/3-ISO2-CC-FX
2900	0 - 10	2,5	5/3 Centre open exhaust	ISO 2	15	EPVS-5/3-ISO2-CE-FX
2900	0 - 10	2,5	5/3 Centre open pressure	ISO 2	15	EPVS-5/3-ISO2-CP-FX

FLEXION Pneumatic solenoid valve/pilot



TECHNICAL DATA

Operation	Pneumatic
Type of body	Manifold
Operating temperature	-10 - 60 °C
Housing material	Die-cast painted aluminum
Material cover	PBT
Spool material	Hard aluminium anodized
Distancers Material	Aluminium
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Solenoid Interface	Conforming to CNOMO
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.
Norm	ISO 5599/1

Flow Rate (6 bar delta p = 1 bar)	Operating pressure	Min. Pilot Pressure	Function	Size	Orifice	Flexion code
(l/min)	bar	bar			mm	
1100	0 - 10	2	5/2 Monostable	ISO 1	8.5	EPVP-5/2-ISO1-SP-FX
2900	0 - 10	2	5/2 Monostable	ISO 2	15	EPVP-5/2-ISO2-SP-FX
1100	0 - 10	1	5/2 Bistable	ISO 1	8.5	EPVP-5/2-ISO1-DP-FX
2900	0 - 10	1	5/2 Bistable	ISO 2	15	EPVP-5/2-ISO2-DP-FX
1100	0 - 10	2.5	5/3 Centre closed	ISO 1	8.5	EPVP-5/3-ISO1-CC-FX
2900	0 - 10	2.5	5/3 Centre closed	ISO 2	15	EPVP-5/3-ISO2-CC-FX
1100	0 - 10	2.5	5/3 Centre open exhaust	ISO 1	8.5	EPVP-5/3-ISO1-CE-FX
2900	0 - 10	2.5	5/3 Centre open exhaust	ISO 2	15	EPVP-5/3-ISO2-CE-FX
1100	0 - 10	2.5	5/3 Centre open pressure	ISO 1	8.5	EPVP-5/3-ISO1-CP-FX
2900	0 - 10	2.5	5/3 Centre open pressure	ISO 2	15	EPVP-5/3-ISO2-CP-FX

FLEXION Manifold for ISO 5599/1 valve BSPP(G)



TECHNICAL DATA

Material	Aluminium die-cast
Seal material	NBR (nitrile rubber)

Version	Size	Connection position	Port thread size	Flexion code
Single sub-base	ISO 1	Bottom and side	1/4	EPV-SBA1S-FX
Manifold sub-base	ISO 1	Bottom and side	1/4	EPV-SBA1M-FX
Ported manifold end plate	ISO 1	Bottom and side	3/8	EPV-SBA1A-FX
Blank manifold end plate	ISO 1	Blanking plate		EPV-SBA1C-FX
Manifold blanking plate	ISO 1			EPV-SBA1T-FX
Interface for sub-base	ISO 1 / ISO 2			EPV-SBA1A2-FX
Single sub-base	ISO 2	Bottom and side	3/8	EPV-SBA2S-FX
Manifold sub-base	ISO 2	Bottom and side	3/8	EPV-SBA2M-FX
Ported manifold end plate	ISO 2	Bottom and side	1/2	EPV-SBA2A-FX
Blank manifold end plate	ISO 2	Blanking plate		EPV-SBA2C-FX
Manifold blanking plate	ISO 2			EPV-SBA2T-FX

FLEXION Coils ISO



TECHNICAL DATA

Duty cycle	100% ED
Degree of protection (IP)	IP65
Ambient temperature	20 - 50 °C
Response time	0,01 ms

Type of current	Voltage	Frequency	Voltage tolerance	Frequency tolerance	Electrical consumption	Flexion code
Direct current	24		+/- 10%		2,5 Watt	EPV-C-30MM-24VDC-FX
Alternating current	24	50/60	+15% / -10%	+/- 5%	5 VA	EPV-C-30MM-24VAC-FX
Alternating current	110	50/60	+15% / -10%	+/- 5%	5 VA	EPV-C-30MM-110VAC-FX
Alternating current	230	50/60	+15% / -10%	+/- 5%	5 VA	EPV-C-30MM-230VAC-FX

FLEXION Connector for coils 30mm DIN



TECHNICAL DATA

Nominal current	10 A
Maximum Current on contacts	16 A
Contact resistance	≤ 4 m Ω
Maximum Conductor Section	1.5 mm ²
Gland Size	Pg 09
Degree of protection (IP)	IP65 EN 60529
Insulation Class	VDE 0110 - 1/89
Ambient temperature	-40 - 90 °C

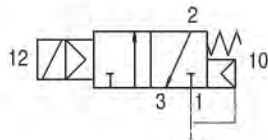
Nominal voltage	Flexion code
250 VAC Max, 300 VDC Max	EPV-CSTD-30MM-FX
24 VAC/VDC	EPV-CNL24V-30MM-FX
115 VAC/VDC	EPV-CNL110V-30MM-FX
230 VAC/VDC	EPV-CNL230V-30MM-FX

FLEXION Valve 3/2 single solenoid normally closed BSPP(G)



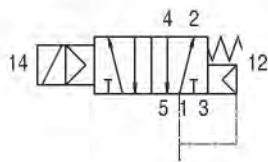
TECHNICAL DATA

Operation	Electrical
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication



Flow Rate (6 bar - delta p= 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	1.5 - 10	1.5	3/2 Monostable closed	6.5	EPVS3/2NCSS1/8-FX
1100	1/4	1.5 - 10	1.5	3/2 Monostable closed	8	EPVS3/2NCSS1/4-FX
2900	1/2	0 - 10	2.5	3/2 Monostable closed	15	EPVS3/2NCSS1/2-FX

FLEXION Valve 5/2 single solenoid BSPP(G)

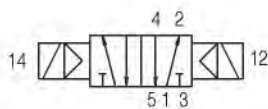


TECHNICAL DATA

Operation	Electrical
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
Nl/min	in	bar	bar		mm	
650	1/8	1.5 - 10	1.5	5/2 Monostable	6.5	EPV55/2SS1/8-FX
1100	1/4	1.5 - 10	1.5	5/2 Monostable	8	EPV55/2SS1/4-FX
2900	1/2	0 - 10	2.5	5/2 Monostable	15	EPV55/2SS1/2-FX

FLEXION Valve 5/2 double solenoid BSPP(G)



TECHNICAL DATA

Operation	Electrical
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication

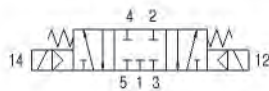
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
Nl/min	in	bar	bar		mm	
650	1/8	1 - 10	1	5/2 Bistable	6.5	EPV55/2DS1/8-FX
1100	1/4	1 - 10	1	5/2 Bistable	8	EPV55/2DS1/4-FX
2900	1/2	0 - 10	1	5/2 Bistable	15	EPV55/2DS1/2-FX

FLEXION Valve 5/3 centre closed electrically operated BSPP(G)



TECHNICAL DATA

Operation	Electrical
Type of body	Manifold
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication



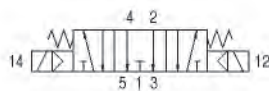
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min		bar	bar		mm	
650	1/8	2.5 - 10	2.5	5/3 Centre closed	6.5	EPVS5/3CC1/8-FX
2900	1/2	0 - 10	2.5	5/3 Centre closed	15	EPVS5/3CC1/2-FX
1100	1/4	2.5 - 10	2.5	5/3 Centre closed	8	EPVS5/3CC1/4-FX

FLEXION Valve 5/3 centre exhaust electrically operated BSPP(G)



TECHNICAL DATA

Operation	Electrical
Type of body	Manifold
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication



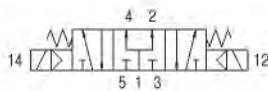
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	2.5 - 10	2.5	5/3 Centre open exhaust	6.5	EPVS5/3CE1/8-FX
1100	1/4	2.5 - 10	2.5	5/3 Centre open exhaust	8	EPVS5/3CE1/4-FX
2900	1/2	0 - 10	2.5	5/3 Centre open exhaust	15	EPVS5/3CE1/2-FX

FLEXION Valve 5/3 centre pressurised electrically operated BSPP(G)

TECHNICAL DATA



Operation	Electrical
Type of body	Manifold
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed air, filtered to 50µ or better, with or without lubrication



Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	2,5 - 10	2,5	5/3 Centre open pressure	6,5	EPVS5/3CP1/8-FX
1100	1/4	2,5 - 10	2,5	5/3 Centre open pressure	8	EPVS5/3CP1/4-FX
2900	1/2	0 - 10	2,5	5/3 Centre open pressure	15	EPVS5/3CP1/2-FX

FLEXION Coils EPVS



TECHNICAL DATA

Duty cycle	100% ED
Degree of protection (IP)	IP65
Ambient temperature	20 - 50 °C
Response time	0,01 ms

Type of current	Voltage	Frequency	Voltage tolerance	Frequency tolerance	Electricity consumption	Flexion code
Direct current	24		+/- 10%		3 Watt	EPV-C-3W-24VDC-FX
Alternating current	24	50/60	+/- 10%	+/- 5%	5 VA	EPV-C-24VAC-FX
Alternating current	110	50/60	+/- 10%	+/- 5%	5 VA	EPV-C-110VAC-FX
Alternating current	230	50/60	+/- 10%	+/- 5%	5 VA	EPV-C-230VAC-FX

FLEXION Connector for coils



TECHNICAL DATA

Nominal current	10 A
Maximum Current on contacts	16 A
Contact resistance	≤ 4 m Ω
Maximum Conductor Section	1.5 mm ²
Gland Size	Pg 09
Degree of protection (IP)	IP65 EN 60529
Insulation Class	VDE 0110 - 1/89
Ambient temperature	-40 - 90 °C

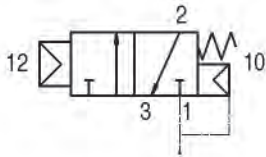
Nominal voltage	Flexion code
250 VAC Max, 300 VDC Max	EPV-CSTD-FX
24 VAC/VDC	EPV-CNL24V-FX
115 VAC/VDC	EPV-CNL110V-FX
230 VAC/VDC	EPV-CNL230V-FX

FLEXION Valve 3/2 single pilot normally closed BSPP(G)



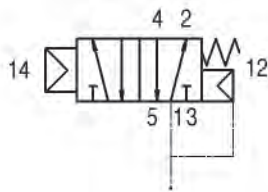
TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



Flow Rate (6 bar - delta p= 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	1.5 - 10	1.5	3/2 Monostable closed	6.5	EPVP3/2NCSP1/8-FX
1100	1/4	1.5 - 10	1.5	3/2 Monostable closed	8	EPVP3/2NCSP1/4-FX
2900	1/2	2.5 - 10	2.5	3/2 Monostable closed	15	EPVP3/2NCSP1/2-FX

FLEXION Valve 5/2 single pilot BSPP(G)

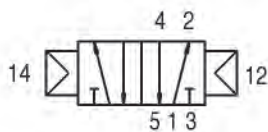


TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
Nl/min	in	bar	bar		mm	
650	1/8	1.5 - 10	1.5	5/2 Monostable	6.5	EPVP5/2SP1/8-FX
1100	1/4	1.5 - 10	1.5	5/2 Monostable	8	EPVP5/2SP1/4-FX
2900	1/2	0 - 10	2.5	5/2 Monostable	15	EPVP5/2SP1/2-FX

FLEXION Valve 5/2 double pilot BSPP(G)



TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

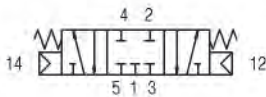
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
Nl/min	in	bar	bar		mm	
650	1/8	1 - 10	1.5	5/2 Bistable	6.5	EPVP5/2DP1/8-FX
1100	1/4	1 - 10	1.5	5/2 Bistable	8	EPVP5/2DP1/4-FX
2900	1/2	0 - 10	1	5/2 Bistable	15	EPVP5/2DP1/2-FX

FLEXION Valve 5/3 centre closed pneumatically operated BSPP(G)



TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



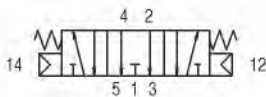
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min		bar	bar		mm	
650	1/8	2.5 - 10	1.5	5/3 Centre closed	6.5	EPVP5/3CC1/8-FX
1100	1/4	2.5 - 10	1.5	5/3 Centre closed	8	EPVP5/3CC1/4-FX
2900	1/2	0 - 10	2.5	5/3 Centre closed	15	EPVP5/3CC1/2-FX

FLEXION Valve 5/3 centre exhaust electrically operated BSPP(G)



TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500, Anodised aluminium on 1/2" models
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4, Aluminium on 1/2" models
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



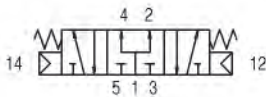
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	2.5 - 10	1.5	5/3 Centre open exhaust	6.5	EPVP5/3CE1/8-FX
1100	1/4	2.5 - 10	1.5	5/3 Centre open exhaust	8	EPVP5/3CE1/4-FX
2900	1/2	0 - 10	2.5	5/3 Centre open exhaust	15	EPVP5/3CE1/2-FX

FLEXION Valve 5/3 centre pressurised pneumatically operated BSPP(G)



TECHNICAL DATA

Operation	Pneumatic
Type of body	Body Ported
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Lifespan	>20 million cycles
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
650	1/8	2.5 - 10	1.5	5/3 Centre open pressure	6.5	EPVP5/3CP1/8-FX
1100	1/4	2.5 - 10	1.5	5/3 Centre open pressure	8	EPVP5/3CP1/4-FX

FLEXION Manifold BSPP(G) 1/8" for pneumatic valve



TECHNICAL DATA

Material	Anodised aluminium
Operating temperature	10 °C
Fluid	Compressed air

Number of positions	Port thread size	Supply thread size	Flexion code
	in	in	
2	1/8	1/4	EPVMFLD1/82-FX
4	1/8	1/4	EPVMFLD1/84-FX
6	1/8	1/4	EPVMFLD1/86-FX
8	1/8	1/4	EPVMFLD1/88-FX
Blanking plate			EPVMFLD1/8BP-FX

FLEXION Manifold BSPP(G) 1/4" for pneumatic valve



TECHNICAL DATA

Material	Anodised aluminium
Operating temperature	10 °C
Fluid	Compressed air

Number of positions	Port thread size	Supply thread size	Flexion code
	in.	in.	
2	1/4	1/4	EPVMFLD1/42-FX
4	1/4	1/4	EPVMFLD1/44-FX
6	1/4	1/4	EPVMFLD1/46-FX
8	1/4	1/4	EPVMFLD1/48-FX
10	1/4	1/4	EPVMFLD1/410-FX
Blanking plate			EPVMFLD1/4BP-FX

FLEXION Namur valve 5/2 solenoid/spring



TECHNICAL DATA

Operation	Electrical
Type of body	NAMUR
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate ($\Delta p = 1 \text{ bar}$)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
Nl/min	in.	bar	bar		mm	
1000	1/4	1 - 10	1,5	5/2 Monostable	7	EPV5/2-NAM1/4-S5-FX

FLEXION Namur valve 5/2 solenoid/solenoid



TECHNICAL DATA

Operation	Electrical
Type of body	NAMUR
Operating temperature	-10 - 60 °C
Housing material	Anodised aluminium
Material cover	Delrin 500
Spool material	Hard aluminium anodized
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Min. Pilot Pressure	Function	Orifice	Flexion code
l/min	in	bar	bar		mm	
1000	1/4	1 - 10	1.5	5/2 Bistable	7	EPVS5/2-NAM1/4-DS-FX

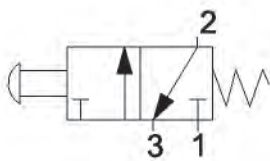
FLEXION Valve 3/2 coloured head push button normally closed 1 position spring

BSPP(G) 1/8"



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



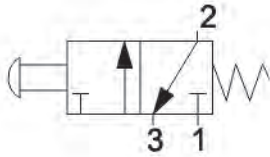
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Colour push button	Orifice	Flexion code
l/min	in	bar			mm	
650	1/8	0 - 10	3/2 Monostable closed	Black	6.5	EPVM3/2NCBBLK1/8-FX
650	1/8	0 - 10	3/2 Monostable closed	Green	6.5	EPVM3/2NCBGRN1/8-FX
650	1/8	0 - 10	3/2 Monostable closed	Red	6.5	EPVM3/2NCBRED1/8-FX

**FLEXION Valve 3/2 coloured recessed button normally closed 1 position spring
BSP(G) 1/8"**



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



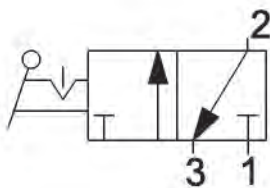
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Colour push button	Orifice	Flexion code
l/min	in	bar			mm	
650	1/8	0 - 10	3/2 Monostable closed	Black	6.5	EPVM3/2NCBRBLK1/8-FX
650	1/8	0 - 10	3/2 Monostable closed	Green	6.5	EPVM3/2NCBRGRN1/8-FX
650	1/8	0 - 10	3/2 Monostable closed	Red	6.5	EPVM3/2NCBRRED1/8-FX

FLEXION Valve 3/2 knob push-pull normally closed 2 positions BSP(G) 1/8"



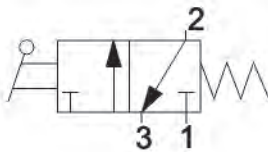
TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	in	bar		mm	
650	1/8	0 - 10	3/2 Monostable closed	6.5	EPVM3/2NCKPP1/8-FX

FLEXION Valve 3/2 knob push normally closed 1 position spring BSPP(G) 1/8"

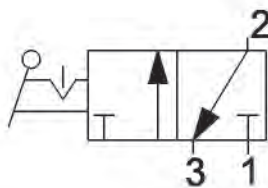


TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (8 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	-	bar	-	mm	-
650	1/8	0 - 10	3/2 Monostable closed	6.5	EPVM3/2NCKPS1/8-FX

FLEXION Valve 3/2 top lever 2 positions detended BSPP(G) 1/8"

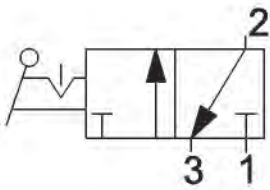


TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (8 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	-	bar	-	mm	-
650	1/8	0 - 10	3/2 Monostable closed	6.5	EPVM3/2NCLLE1/8-FX

FLEXION Valve 3/2 side lever 2 positions detented BSPP(G)1/8"

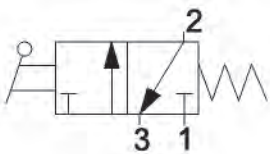


TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (δ bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	in	bar		mm	
650	1/8	0 - 10	3/2 Monostable closed	6.5	EPVM3/2NCLLS1/8-FX

FLEXION Valve 3/2 side lever normally closed 1 position spring return BSPP(G) 1/8"



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

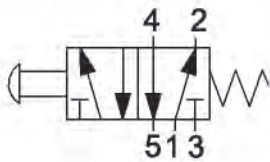
Flow Rate (δ bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	in	bar		mm	
650	1/8	0 - 10	3/2 Monostable closed	6.5	EPVM3/2NCLSS1/8-FX

FLEXION Valve 5/2 coloured head push button 1 position spring BSPP(G) 1/8"



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



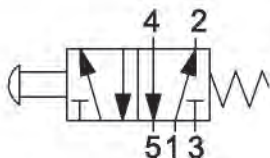
Flow rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Colour push button	Orifice	Flexion code
l/min	in	bar			mm	
650	1/8	0 - 10	5/2 Monostable	Black	6.5	EPVM5/2BBLK1/8-FX
650	1/8	0 - 10	5/2 Monostable	Green	6.5	EPVM5/2BGRN1/8-FX
650	1/8	0 - 10	5/2 Monostable	Red	6.5	EPVM5/2BRED1/8-FX

FLEXION Valve 5/2 coloured recessed button 1 position spring BSPP(G) 1/8"



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



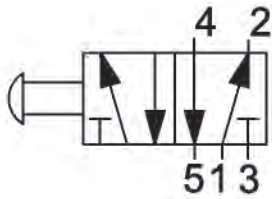
Flow rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Colour push button	Orifice	Flexion code
l/min	in	bar			mm	
650	1/8	0 - 10	5/2 Monostable	Black	6.5	EPVM5/2BRBLK1/8-FX
650	1/8	0 - 10	5/2 Monostable	Green	6.5	EPVM5/2BRGRN1/8-FX
650	1/8	0 - 10	5/2 Monostable	Red	6.5	EPVM5/2BRRED1/8-FX

FLEXION Valve 5/2 knob push-pull 2 positions detented BSPP(G)

TECHNICAL DATA



Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



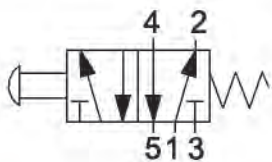
Flow Rate (G bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	"	bar		mm	
650	1/8	0 - 10	5/2 Monostable	6.5	EPVM5/2KPP1/8-FX
1100	1/4	0 - 10	5/2 Monostable	8	EPVM5/2KPP1/4-FX

FLEXION Manual valve 5/2 with knob push spring BSPP(G)

TECHNICAL DATA



Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



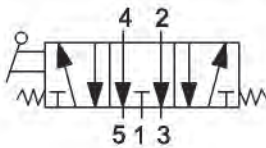
Flow Rate (G bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	"	bar		mm	
650	1/8	0 - 10	5/2 Monostable	6.5	EPVM5/2KPS1/8-FX
1100	1/4	0 - 10	5/2 Monostable	8	EPVM5/2KPS1/4-FX

FLEXION Valve 5/2 top lever 2 positions detented BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



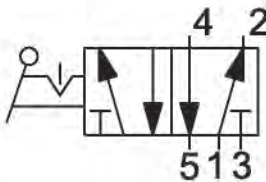
Flow Rate (6 bar - delta p = 1.5 bar) l/min	Port Size in	Operating pressure bar	Function	Orifice mm	Flexion code
650	1/8	0 - 10	5/2 Bistable	6.5	EPVM5/2LLE1/8-FX

FLEXION Valve 5/2 side lever 2 positions detented BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



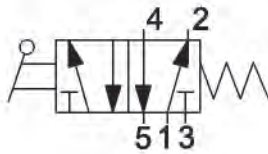
Flow Rate (6 bar - delta p = 1.5 bar) l/min	Port Size in	Operating pressure bar	Function	Orifice mm	Flexion code
650	1/8	0 - 10	5/2 Bistable	6.5	EPVM5/2LLS1/8-FX
1100	1/4	0 - 10	5/2 Bistable	8	EPVM5/2LLS1/4-FX

FLEXION Valve 5/2 side lever 1 position spring BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



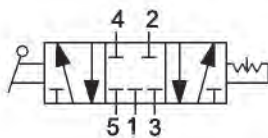
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	"	bar		mm	
650	1/8	0 - 10	5/2 Monostable	6.5	EPVM5/2LSS1/8-FX
1100	1/4	0 - 10	5/2 Monostable	8	EPVM5/2LSS1/4-FX

FLEXION Valve 5/3 side lever centre closed detended BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



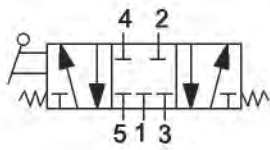
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	"	bar		mm	
650	1/8	0 - 10	5/3 Centre closed	6.5	EPVM5/3CCDET1/8-FX
1100	1/4	0 - 10	5/3 Centre closed	8	EPVM5/3CCDET1/4-FX

FLEXION Valve 5/3 side lever centre closed spring to centre BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



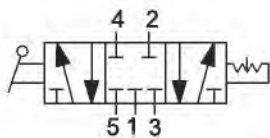
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	in	bar		mm	
650	1/8	0 - 10	5/3 Centre closed	6.5	EPVM5/3CCSPR1/8-FX
1100	1/4	0 - 10	5/3 Centre closed	8	EPVM5/3CCSPR1/4-FX

FLEXION Valve 5/3 side lever centre exhaust detented BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	in	bar		mm	
650	1/8	0 - 10	5/3 Centre open exhaust	6.5	EPVM5/3CEDET1/8-FX
1100	1/4	0 - 10	5/3 Centre open exhaust	8	EPVM5/3CEDET1/4-FX

FLEXION Valve 5/2 top lever 2 positions detended BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

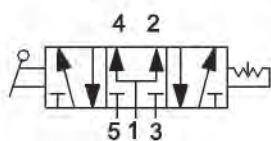
Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	in	bar		mm	
650	1/8	0 - 10	5/3 Centre open exhaust	6.5	EPVM5/3CESPR1/8-FX

FLEXION Valve 5/3 side lever centre pressurised detended BSPP(G)



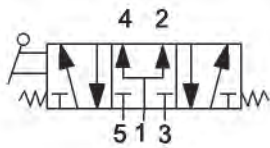
TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.



Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	in	bar		mm	
650	1/8	0 - 10	5/3 Centre open pressure	6.5	EPVM5/3CPDET1/8-FX

FLEXION Valve 5/3 side lever centre pressurised spring to centre BSPP(G)



TECHNICAL DATA

Operation	Manual
Operating temperature	-10 - 80 °C
Housing material	Anodised aluminium
Material cover	Anodised aluminium
Spool material	Hard aluminium anodized
Bottom plate material	Delrin 500
Distancers Material	Fortron 1140 L4
Seal material	Hydrogenated Nitrile Butadiene Rubber (HNBR)
Handle material	Steel
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	in	bar		mm	
650	1/8	0 - 10	5/3 Centre open pressure	6.5	EPVM5/3CPSPR1/8-FX

FLEXION Valve 5/2 foot operated with safety device BSPP(G)



TECHNICAL DATA

Operation	Foot
Operating temperature	0 - 50 °C
Housing material	Anodised aluminium
Material cover	Shock-resistant acetal resin
Spool material	Chemically nickel plated aluminium
Seal material	NBR (nitrile rubber)
Handle material	Steel
Mounting	Through holes in body
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
Nl/min	in	bar		mm	
1100	1/4	2.5 - 10	5/2 Bistable	6.5	EPVM5/2FTDET1/4-FX
1100	1/4	2.5 - 10	5/2 Bistable	6.5	EPVM5/2FTSPR1/4-FX

FLEXION Mechanical valve with plunger BSPP(G)



TECHNICAL DATA

Operation	Mechanical
Operating temperature	-20 - 80 °C
Housing material	Die-cast painted aluminum
Material cover	Plastic
Seal material	NBR (nitrile rubber)
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (δ bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	mm	bar		mm	
900	1/8	0 - 8	3/2 Monostable closed	6	EPVM3/2NCPLG-FX
900	1/8	0 - 8	5/2 Monostable	6	EPVM5/2NCPLG-FX

FLEXION Mechanical valve with bi-directional roller lever BSPP(G)



TECHNICAL DATA

Operation	Mechanical
Operating temperature	-20 - 80 °C
Housing material	Die-cast painted aluminum
Material cover	Plastic
Seal material	NBR (nitrile rubber)
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (δ bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	mm	bar		mm	
900	1/8	0 - 8	3/2 Monostable closed	6	EPVM3/2NCRLB-FX
900	1/8	0 - 8	5/2 Monostable	6	EPVM5/2NCRLB-FX

FLEXION Mechanical valve with uni-directional roller lever BSPP(G)



TECHNICAL DATA

Operation	Mechanical
Operating temperature	-20 - 80 °C
Housing material	Die-cast painted aluminum
Material cover	Plastic
Seal material	NBR (nitrile rubber)
Mounting	In any position
Fluid	Compressed filtered air with or without lubrication. Lubrication, if used, must be continuous.

Flow Rate (6 bar - delta p = 1 bar)	Port Size	Operating pressure	Function	Orifice	Flexion code
l/min	inch	bar		mm	
900	1/8	0 - 8	3/2 Monostable closed	6	EPVM3/2NCRLU-FX
900	1/8	0 - 8	5/2 Monostable	6	EPVM5/2NCRLU-FX

FLEXION Flow restrictor unidirectional in-line anodised aluminium BSPP(G)



TECHNICAL DATA

Execution	Flow restrictor, Unidirectional
Mounting	In-line
Body material	Anodised aluminium
Seal material	NBR (nitrile rubber)
Operating pressure	2 - 10 bar
Temperature range	0 - 60 °C
Fluid	Compressed filtered air with or without lubrication

Connection	Flow Rate (6 bar - delta p = 1 bar)	Flexion code
	l/min	
1/8	450	EPVFLWCTL1/8-FX
1/4	600	EPVFLWCTL1/4-FX
3/8	1100	EPVFLWCTL3/8-FX
1/2	1400	EPVFLWCTL1/2-FX

FLEXION In-line non return valve BSPP(G)



TECHNICAL DATA

Mounting	In-line
Operating pressure	2 - 10 bar
Operating temperature	-10 - 60 °C
Body material	Brass, nickel plated
Seal material	NBR (nitrile rubber)
Spring material	Stainless steel
Fluid	Compressed filtered air with or without lubrication

Thread size	Flow Rate (6 bar - delta p = 1 bar)	Opening pressure [bar]	Flexion code
	l/min		
1/8	500	2	EPVCHK-1/8-FX
1/4	900	15	EPVCHK-1/4-FX
3/8	2600	1	EPVCHK-3/8-FX
1/2	3500	1	EPVCHK-1/2-FX

FLEXION Pilot operated check valve nickel plated brass BSPP(G)



TECHNICAL DATA

Operating pressure	1 - 10 bar
Operating temperature	-5 - 70 °C
Body material	Brass, nickel plated
Seal material	NBR / PU
Fluid	Filtered lubricated air

For use with Single Banjo Ring type EPBRS page 46 & 47

Thread size	Flow Rate (6 bar - delta p = 1 bar)	Flexion code
	l/min	
1/8	440	EPVPOC-1/8-FX
1/4	660	EPVPOC-1/4-FX
3/8	965	EPVPOC-3/8-FX
1/2	1450	EPVPOC-1/2-FX

FLEXION Quick exhaust valve nickel-plated brass BSPP(G)



TECHNICAL DATA

Temperature range	-10 - 70 °C
Operating pressure	1 - 10 bar
Housing material	Brass, nickel plated
Membrane material	Polyurethane
Material seal	FKM
Fluid	Compressed filtered air with or without lubrication

Port Size	Flow Rate	Flexion code
	(6 bar - delta p = 1 bar)	
in	l/min	
1/4	3300	EPVQEV-1/4-FX
3/8	3780	EPVQEV-3/8-FX
1/2	7500	EPVQEV-1/2-FX

FLEXION Threshold sensor nickel plated brass BSPP(G)



TECHNICAL DATA

Operating pressure	3 - 10 bar
Operating temperature	0 - 70 °C
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flexion code
4	1/8	EPVTHS-1/8-FX
4	1/4	EPVTHS-1/4-FX
4	3/8	EPVTHS-3/8-FX

FLEXION Shuttle valve anodised aluminium BSPP(G)



TECHNICAL DATA

Temperature range	-20 - 70 °C
Operating pressure	0,5 - 12 bar
Housing material	Anodised aluminium
Material seal	NBR (nitrile rubber)
Fluid	Compressed air

Port Size	Flexion code
in	
1/8	EPVSHTL-1/8-FX
1/4	EPVSHTL-1/4-FX

FLEXION Stop fitting nickel plated brass BSPP(G)



TECHNICAL DATA

Operating pressure	1 - 10 bar
Operating temperature	-20 - 70 °C
Seal material	NBR (nitrile rubber)
Grab ring material	Stainless steel 301 (1.4310)
Tubing type	PA 12 (Nylon) to DIN 73378 or PU SH A 98 metric tubing
Fluid	Compressed air

Tube Outside Diameter	Thread size	Flow Rate - (5 bar - delta p = 1 bar) l/min	Flexion code
6	1/8	365	EPVSTF6-1/8-FX
6	1/4	380	EPVSTF6-1/4-FX
8	1/8	365	EPVSTF8-1/8-FX
8	1/4	380	EPVSTF8-1/4-FX

flexionTM

FLR (AIR PREPARATION)

The FLEXIONTM range of FRL equipment has been selected to give the optimum price versus performance ratio.

With the bodies manufactured from technopolymers, these units are extremely light, but still offer rugged, robust performance. As standard, all the bowls have an outer protection, and the bowls themselves are manufactured from polyamide, giving significantly better resistance to crazing than the more commonly used polycarbonate type.

The FLEXIONTM ranges also have the automatic filling lubricator option, refilling the lubricator quickly and easily "on-line" saving time and money.



1. DRAINAGE OPTIONS

Available in both manual and auto drain options.



2. SUPERIOR BOWL MATERIAL

Polyamide bowl provides excellent resistance to crazing.



3. THROUGH HOLES

For direct mounting, mounting bracket also available providing flexible, compact installation.



4. POLYMER CONSTRUCTION

Provides strength in a lightweight construction, typically 2/3rds the weight of other



5. AUTOMATIC REFILLING OPTION

Refilling the lubricator quickly and easily "on-line" saving time and money.

FLEXION Filter regulator 1" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Filtration level	Drain type	Max. Inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	l/min	
20	Automatic	12,5	12	13800	EPA-FR-1M-A-FX
20	Manual	12,5	12	13800	EPA-FR-1M-M-FX

FLEXION Lubricator 1" BSPP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Type	Maximum operating pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
		l/min	
Modular, standard fill	12,5	11700	EPA-L-1M-M-FX

FLEXION Assembly unit 1" modular



Flexion code

EPA-CK-1M-FX

FLEXION T bracket for modular units 1"



Flexion code

EPA-TBKT-1M-FX

FLEXION T bracket mount for modular units 1"



Flexion code

EPA-TBKM-1M-FX

FLEXION Regulator 1/2" modular



TECHNICAL DATA

Housing material Technopolymer

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	NI/min	
12.5	8	2880	EPA-R-1/2M-08-FX

FLEXION Filter 1/2" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Port Size	Filtration level	Drain type	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
in	µm		NI/min	
1/2	20	Automatic	2300	EPA-F-1/2M-A-FX
1/2	20	Manual	2300	EPA-F-1/2M-M-FX

FLEXION Microfilter 1/2" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Port Size	Filtration level	Drain type	Flow Rate (6.3 bar - delta p = 1 bar)	Max. operating pressure	Flexion code
in	µm		NI/min	bar	
1/2	0.01	Automatic	800	12.5	EPA-MF-1/2M-A-FX
1/2	0.01	Manual	800	12.5	EPA-MF-1/2M-M-FX

FLEXION Lubricator 1/2" BSPP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Type	Maximum operating pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
		Nl/min	
Modular, automatic fill	12.5	3000	EPA-L-1/2M-A-FX
Modular, standard fill	12.5	3000	EPA-L-1/2M-M-FX

FLEXION Filter regulator 1/2" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Filtration level	Drain type	Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	Nl/min	
20	Automatic	12.5	8	2880	EPA-FR-1/2M-A-FX
20	Manual	12.5	8	2880	EPA-FR-1/2M-M-FX

FLEXION Filter regulator lubricator 1/2" BSPP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Filtration level	Drain type	Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	Nl/min	
20	Automatic	12.5	8	2200	EPA-FRL-1/2M-A-FX
20	Manual	12.5	8	2200	EPA-FRL-1/2M-M-FX

FLEXION Filter regulator lubricator with shut off valve 1/2" modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Filtration level	Drain type	Max. Inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	NI/min	
20	Automatic	12.5	8	2200	EPA-FRLSV-1/2M-A-FX
20	Manual	12.5	8	2200	EPA-FRLSV-1/2M-M-FX

FLEXION Lockable manual shut off valve modular BSPP(G) 1/2" port



TECHNICAL DATA

Housing material Technopolymer

Flow Rate (6.3 bar - delta p = 1 bar)	Max. inlet pressure	Flexion code
NI/min	bar	
2880	12.5	EPA-SV-1/2M-FX

FLEXION Electrical shut off valve BSPP(G) 1/2" modular



TECHNICAL DATA

Housing material Technopolymer

Flow Rate (6.3 bar - delta p = 1 bar)	Max. inlet pressure	Flexion code
NI/min	bar	
2500	10	EPA-SVE-1/2M-FX

FLEXION Electrical shut off valve solenoid operator 1/2"



TECHNICAL DATA

Suitable for EPA-SVE-1/4M-FX, EPA-SVE-1/2M-FX

Flexion code
EPA-SVE-SOL-24VDC-FX
EPA-SVE-SOL-110VAC-FX
EPA-SVE-SOL-230VAC-FX

FLEXION Replacement element 1/2"



Part filter	Filtration level µm	Flexion code
EPA-F-1/2	5	EPA-F-1/2M-5-FX
EPA-F-1/2	20	EPA-F-1/2M-20-FX
EPA-FR-1/2	5	EPA-FR-1/2M-5-FX
EPA-FR-1/2	20	EPA-FR-1/2M-20-FX
EPA-MF-1/2M	0.01	EPA-MF-1/2M-0,01-FX

FLEXION Modular assembly unit 1/2"



Flexion code

EPA-CK-1/2M-FX

FLEXION Intermediate take off block for 1/2" modular



Flexion code

EPA-TO-1/2M-FX

FLEXION Regulator 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	l/min	
16	8	1200	EPA-R-1/4M-08-FX

FLEXION Microfilter 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Port Size	Filtration level	Drain type	Flow Rate (6.3 bar - delta p = 1 bar)	Max. operating pressure	Flexion code
in	µm		l/min	bar	
1/4	0.01	Automatic	180	16	EPA-MF-1/4M-A-FX
1/4	0.01	Manual	180	16	EPA-MF-1/4M-M-FX

FLEXION Filter 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Port Size	Filtration level	Drain type	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
in	µm		l/min	
1/4	20	Automatic	900	EPA-F-1/4M-A-FX
1/4	20	Manual	900	EPA-F-1/4M-M-FX

FLEXION Lubricator 1/4" BSPP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Type	Maximum operating pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
	bar	l/min	
Modular, automatic fill	16	1550	EPA-L-1/4M-A-FX
Modular, standard fill	16	1550	EPA-L-1/4M-M-FX

FLEXION Filter regulator 1/4" BSP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Filtration level	Drain type	Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	Nl/min	
20	Automatic	16	8	1200	EPA-FR-1/4M-A-FX
20	Manual	16	8	1200	EPA-FR-1/4M-M-FX

FLEXION Filter regulator lubricator 1/4" BSP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Filtration level	Drain type	Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	Nl/min	
20	Automatic	16	8	980	EPA-FRL-1/4M-A-FX
20	Manual	16	8	980	EPA-FRL-1/4M-M-FX

FLEXION Filter regulator lubricator with shut off valve 1/4" BSP(G) modular



TECHNICAL DATA

Bowl Material Polyamide
Housing material Technopolymer

Filtration level	Drain type	Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
µm		bar	bar	Nl/min	
20	Automatic	16	8	980	EPA-FRLSV-1/4M-A-FX
20	Manual	16	8	980	EPA-FRLSV-1/4M-M-FX

FLEXION Lockable manual shut off valve 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Flow Rate (6.3 bar - delta p = 1 bar)	Max. inlet pressure	Flexion code
l/min	bar	
950	16	EPA-SVM-1/4M-FX

FLEXION Electrical shut off valve 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Electrical shut off valve solenoid operator on page 195.

Flow Rate (6.3 bar - delta p = 1 bar)	Max. inlet pressure	Flexion code
l/min	bar	
950	10	EPA-SVE-1/4M-FX

FLEXION Replacement element for filter unit 1/4" modular



Filter	Filtration level	Flexion code
	µm	
EPA-F-1/4	5	EPA-F-1/4M-5-FX
EPA-F-1/4	20	EPA-F-1/4M-20-FX
EPA-FR-1/4	5	EPA-FR-1/4M-5-FX
EPA-FR-1/4	20	EPA-FR-1/4M-20-FX
EPA-MF-1/4M	0.01	EPA-MF-1/4M-0.01-FX

FLEXION Soft start 1/4" BSPP(G) modular



TECHNICAL DATA

Housing material Technopolymer

Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
NI/min	
2500	EPA-SS-1/2M-FX
950	EPA-SS-1/4M-FX

FLEXION Neck mounting ring 3/8" and 1/2" ported units



Flexion code
EPA-MTGRING-1/2-FX

FLEXION Modular assembly unit 1/4"



Flexion code
EPA-CK-1/4M-FX

FLEXION Assembly kit for 1/4" modular FRL system



Flexion code

EPA-AK2-1/4M-FX

EPA-AK3-1/4M-FX

FLEXION Intermediate take off block for 1/4" modular



Flexion code

EPA-TO-1/4M-FX

FLEXION T bracket for modular units 1/4"



Flexion code

EPA-TBKT-1/4M-FX

FLEXION Micro relieving regulator BSPP(G)



TECHNICAL DATA

Housing material Technopolymer

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	NI/min	
16	4	900	EPA-R-1/8-04-FX
16	8	900	EPA-R-1/8-08-FX
16	4	900	EPA-R-1/4-04-FX
16	8	900	EPA-R-1/4-08-FX

FLEXION Non-relieving regulator BSPP(G)



TECHNICAL DATA

Housing material Technopolymer

Suitable for Water

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	NI/min	
16	8	900	EPA-RN-1/4-08-FX

FLEXION Fixed regulator BSPP(G)



TECHNICAL DATA

Housing material Technopolymer

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	NI/min	
16	2	900	EPA-R-1/4-02-FX

FLEXION Precision regulator BSPP(G)



TECHNICAL DATA

Housing material Technopolymer

Max. inlet pressure	Max. outlet pressure	Flow Rate (6.3 bar - delta p = 1 bar)	Flexion code
bar	bar	NI/min	
16	2	900	EPA-PR-1/4-02-FX
16	4	900	EPA-PR-1/4-04-FX
16	8	900	EPA-PR-1/4-08-FX
16	12	900	EPA-PR-1/4-12-FX

FLEXION Coalescing silencer



TECHNICAL DATA

Housing material Technopolymer

Flow Rate (6.3 bar - delta p = 1 bar)	Port Size	Noise insulation	Flexion code
NI/min	in	dB(A)	
2300	1/2	25	EPA-EXHFILT-1/2-FX
2300	1	25	EPA-EXHFILT-1-FX

FLEXION Autodrain assembly



Flexion code

EPA-AUTODRAIN-FX

FLEXION Neck mounting ring 1/8" and 1/4" ported units



Flexion code

EPA-MTGRING-1/8-1/4-Fx

The international FLEXION™ infrastructure is embedded in a network of ERIKS Core Competence Centres, providing regional technical support, at the same time calling on the shared FLEXION™ pool of knowledge and specialised capabilities.

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