SOFT START FITTINGS



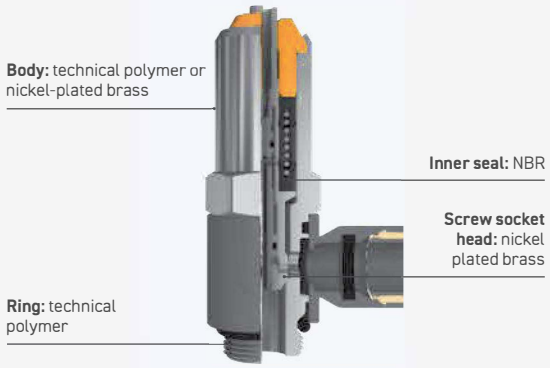
Following a compressed air cut-off, the reliability of these Legris fittings ensures that the system is gradually repressurised to guarantee operator safety and prevent industrial risks.

Technical specifications

- **Fluids:** compressed air
- **Operating pressure:** 3 to 10 bar
- **Operating temperature:** -15°C to +60°C
- **Tube diameter:** 8 to 10 mm
- **Connection:** G1/4 to G3/8 (BSPP)
- **Regulations:** RoHS, REACH, PED

Performance depends on the fluid, material and tube used.

Component materials



Benefits

- **Pressurisation time adjustment** to suit most pneumatic installations.
- **Securing the adjustment** with a countersunk screw to prevent accidental misalignment.
- **Identification by coloured rings facilitates installation:** yellow for FRL and black for distributor.

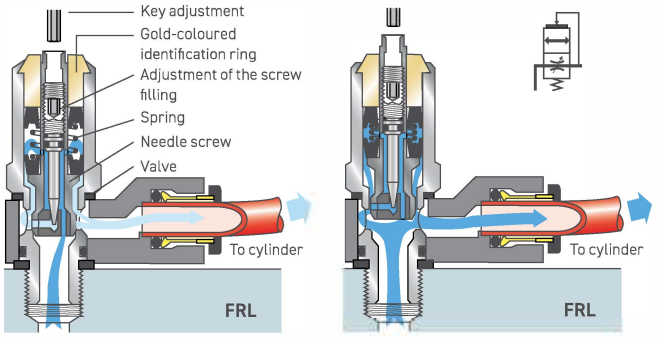
Recommended applications



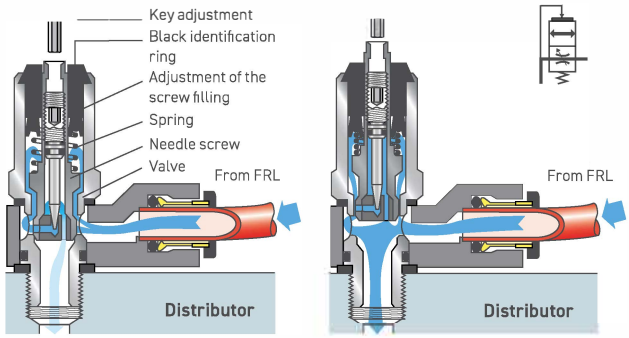
Ensures controlled and safe pressure restoration of the cylinder

Operating principle

Version for FRL



Version for distributor



Installation guide

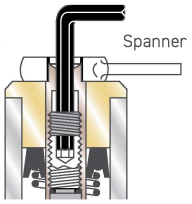
Tightening torque Maximum (daN.m)	Threads	
	G1/4	G3/8
	0.5	0.6

Adjustment of the needle screw

Adjusting the needle valve optimises the filling time according to the volume and specific characteristics of the installation.

To adjust:
– immobilise the piston using a 4 mm spanner
– adjust the needle screw with a hex key
  • 1.5 spanner for Ø 8 mm and 7871 model
  • 2.5 mm spanner for Ø 10 and 12 mm

Maximum tightening torque: 0.1 daN.m



User guide

Vent characteristics (Nl/min)	Model	Flow rate at 6 bar	Kv
	7860 08 13	1500 Nl/min	0.80
	7860 10 13	2100 Nl/min	1.20
	7860 10 17	2200 Nl/min	1.30
	7860 12 17	3100 Nl/min	1.00
	7860 12 21	3100 Nl/min	1.00
	7861 13 13	2100 Nl/min	1.20
	7861 17 17	3100 Nl/min	1.00
	7861 21 21	3100 Nl/min	1.00
	7870 08 13	1500 Nl/min	0.80
	7870 10 13	2000 Nl/min	1.15
	7870 10 17	2000 Nl/min	1.15
	7871 13 13	2000 Nl/min	1.15
	7871 17 17	2000 Nl/min	1.15

Cylinder pressure cycle

When the downstream pressure reaches two-thirds of the supply pressure, full flow is automatically established.

