

Push-In Fittings for Life Sciences & Clean Rooms

This "eco-designed" CleanFit range drives high-tech equipment beyond current connection limits in terms of **cleanliness, reliability** and **safety**. This **ultra-clean range** ensures **perfect compatibility** with most gases, and therefore complies with **demanding applications and standards**.

Customer Benefits

Ease of Use | Ergonomic and aesthetic design
 Compact product fully adapted to portable devices
 Antistatic and airtight packaging to prevent contamination

Purity & Security | Recommended for O₂ applications and pure gases
 High cleanliness level, according to ASTM G93: level B and particle size level 300
 100% leak-tested in production
 Date coding to guarantee quality and traceability

Hi-Tech Materials Complying with Health Regulations | Bio-sourced polymer, chemical nickel-plated brass
 Compatible with cleaning agents recommended for decontamination processes
 Excellent chemical and mechanical resistance, even at high temperatures
 Sterilisable using standard chemical and radiation procedures



Applications

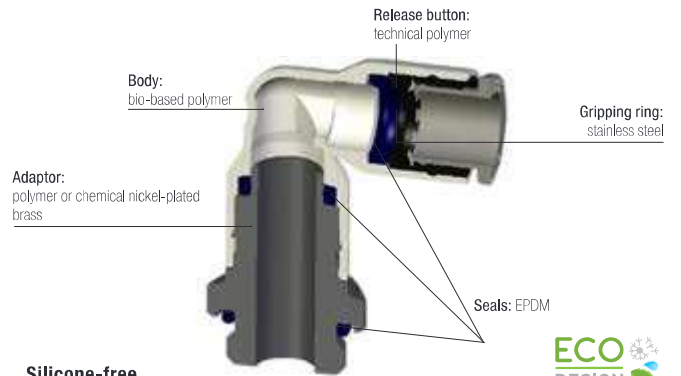
Respiratory
 Bio-Fluid Management
 Clean Rooms
 Pharmaceutical Process
 Laboratory
 O₂ Circuits

Technical Characteristics

Compatible Fluids	Breathing, neutral & pure medical gases Other fluids: please consult us					
Working Pressure	Vacuum to 15 bar Working pressure varies according to temperature (see below)					
Working Temperature	-10°C to +95°C					
Tightening Torques (BSPT/NPTF)	Thread	1/8" and 1/4"		3/8" and 1/2"		
	daN.m	0.15		0.30		
Tightening Torques (Metric & BSPP)	Thread	M5 x 0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials, tubing and cleaning agents being used.
 Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Component Materials



Silicone-free



Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC
 DI: 1907/2006 (REACH)
 ASTM G93-03,B-300
 ISO 15001 < 30 bar

BAM (grease certification residue)
 CGA G4.1
 EN 12021 < 0,1 mg/m³
 VDI 2083-8 (in progress)

Pressure and Temperature Performance

-10°C	Pressure (bar)	+1°C	Pressure (bar)	+20°C	Pressure (bar)	+40°C	Pressure (bar)	+65°C	Pressure (bar)	+95°C	Pressure (bar)
mm Ø	Fittings	mm Ø	Fittings	mm Ø	Fittings	mm Ø	Fittings	mm Ø	Fittings	mm Ø	Fittings
4	15	4	15	4	15	4	15	4	10	4	4
6	15	6	15	6	15	6	15	6	10	6	4
8	15	8	15	8	15	8	15	8	10	8	4
10	13	10	13	10	13	10	13	10	7	10	4
12	11	12	11	12	11	12	11	12	7	12	4