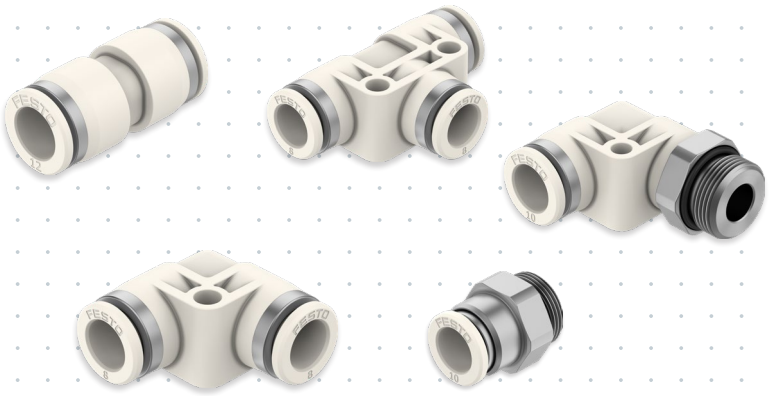
LifeTech Push-in-Fittings NPQO



Highlights

- FDA-listed materials
- Oxygen compatibility (according to ISO 15001 and ASTM G93)
- Biocompatibility (according to ISO 18562)
- Broad range from tubing size 4 to 12 mm
- Push-in-fittings and connectors (straight-, L-, T-shaped)

Whether you want to equip your respirator, your anaesthetic device or need connection elements for your oxygen circuits – NPQO fittings and connectors are your solution! By fulfilling cleanliness and biocompatibility requirements according relevant standards, NPQO suits perfectly to your anaesthetic and respiratory applications.

According cleanliness and biocompatibility standards
To guarantee a safe use, NPQO follows industry relevant standards: by complying ISO 15001 and ASTM G93, oxygen compatibility (<550 mg/m²) is guaranteed. In addition to the use of FDA-listed materials, NPQO is also evaluated according biocompatibility for breathing gas pathways in healthcare applications (ISO 18562).

High flexibility
By offering a broad product range with 39 variants, you will find the right product for your application: straight and L-shaped push-in-fittings for tubing size 4 to 12 include various threads (M5, G1/8, G1/4, G3/8) and our straight, L- and T-shaped push-in-connectors from size 4 to 12 complement the offer.

Use in combination with various medical gases
The fittings are usable with a variety of medical gases, such as narcotic gases, breathing gases in clinical use and homecare as well as anaesthesia gases (CO_2, N_2O, NO, He, N_2, Xe).

Complete your solution with oxygen compatible valves
NPQO fittings fit perfectly to our oxygen compatible products like our mass flow controller VEMD, our piezo valves (VEMR, VEMP, VEAE), our proportional solenoid valve VPWS and our switching valve VYKA (FKM).

Additional information:

Product page
> www.festo.com/catalogue/npqo

Ideal for the following applications: Anaesthesia, respiratory devices, oxygen circuits

Technical data

NPQO	**Push-in-fittings**				**Push-in-connectors**				
Pneumatic connection 1	M5	G1/8	G1/4	G3/8	4	6	8	10	12
Pneumatic connection 2 (tubing ∅)	4, 6	4, 6, 8	6, 8, 10	10, 12	4, 6	6, 8	8, 10	10, 12	12
Design	Straight, L-shape				Straight, L-shape, T-shape				
Colour	White								
Operating pressure	Size 4, 6, 8: -0,9 ... 16 bar Size 10, 12: -0,9 ... 12 bar								
Operating temperature	0 ... 60 °C (0 ... 120 °C)*)								
Media	Compressed air, CO_2, N_2O, NO, He, N_2, Xe								
Materials in contact with media	Body: PVDF, Stainless steel, Nickel-plated brass Sealing material: FKM								
Packaging unit	Size 4, 6, 8: 10 pcs. Size 10, 12: 5 pcs.								
Standards	ISO 15001, ASTM G93 (Oxygen compatibility) ISO 18562 (Biocompatibility)								
FDA listed materials	Yes								

*) Operating pressure depending on operating temperature and tubing size. For more information please contact Festo!