

Tubing/fitting combinations PAN-R/NPQH and PAN-R/QS

FESTO



Resistant to pressure

Highlights

- High flow rate of over 10,000 l/min
- Suitable for pressures up to 20 bar, PAN-R up to 35 bar
- Easy ordering of combinations using one part number
- Cost-effective: no special tubing required

Tubing PAN-R meets the most exacting requirements. It can be combined with push-in fittings for real added value.

Extended pressure range up to 20 bar: PAN-R and NPQH.

High flow rate: PAN-R and QS.

Faster installation and high performance

Quick and secure connections thanks to the release principle: fittings QS and heavy-duty tubing PAN-R – with no fiddly fitting of hose clamps.

High flow rate: 10,000 l/min

The combination of QS and PAN-R enables flow rates of over 10,000 l/min. This means they can supply large cylinders like the DSBG reliably and without interruptions.

Always a clean connection

The optimised wall thickness of the heavy-duty tubing PAN-R in combination with the solid metal fitting NPQH provides a perfectly matched tubing/fitting combination for applications up to 20 bar – without the need for any special tubing.

One-stop shopping worldwide:

PAN-R and NPQH are the ideal additions to the installation kit for the pressure booster DPA. The benefit for you: having everything delivered under one part number reduces your ordering and administration costs.

Tubing/fitting combinations

PAN-R/NPQH and PAN-R/QS

Technical data

Characteristic	PAN-R	Fitting NPQH Push-in fitting	Fitting QS Push-in fitting
Materials	Sheath: Polyamide Standard O.D.	Housing: Nickel-plated brass Sealing ring: FPM Nickel-plated brass	Housing: PBT/nickel-plated brass Sealing ring: NBR Release ring: POM
		Tubing retainer mechanism: Stainless steel	
Version			
Tubing O.D. [mm]	4, 6, 8, 10, 12, 16, 22, 28	4, 6, 8, 10, 12, 14	2, 3, 4, 6, 8, 10, 12, 16, 22
Thread type		Metric and G threads	M, G and R threads
Area of application			
Operating pressure [bar]	-0.95 ... +35	-0.95 ... +20	-0.95 ... +14
Operating temperature [°C]	-30 ... +80	0 ... +150	-10 ... +80
Resistance and suitability*			
Resistant to chemicals	++	++	+
Resistant to hydrolysis	++	+++	+++
Suitable for the food industry	–	+++ (FDA)	–
Media	Compressed air, vacuum**	Compressed air, vacuum, water**	Compressed air, vacuum, water**
Miscellaneous			
Packaging units	50 m	10 pcs.	10 pcs., 100 pcs.
Number of different types	8 diameters	155 different types	> 1,000 different types

* +++ highly suitable ++ suitable + suitable to a limited extent – unsuitable

** Other media on request

Reliable selection has never been this easy: the free product finder for tubing and fittings.

Just open the product finder in the electronic catalogue. Enter your application-specific requirements and let our system guide you quickly and reliably to an appropriate solution. This makes searching extremely convenient! Get started by following these links:

www.festo.com/productfinder/tubing

www.festo.com/productfinder/fittings

Information on media resistance
www.festo.com/mediaristance

Other applications

Handle other challenges with the broad product range of tubing/fitting combinations.

Tubing/fitting combination	Whenever ...
PAN-MF/NPQM	... you are looking for an economical combination for applications involving high pressure and temperature ranges. The ideal combination for mobile pneumatics.
PU/CK	... protection against mechanical load and sturdiness are required: PU tubing with fabric sheath in combination with quick connectors CK.
PAN-R/CQ	... you need tubing with a diameter up to 28 mm for a high flow rate.