

Customised tubing, inches PEN, PLN, PUN

FESTO



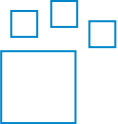
Characteristics

At a glance

Customised tubing PUN, PEN, PLN for different requirements for pressure, temperature, flexibility and environmental influences.

- PEN: polyethylene tube; highly resistant to chemicals and extremely resistant to hydrolysis; largely resistant to common cleaning agents and lubricants; suitable for energy chains; operating media: compressed air, vacuum, water (for water, see manufacturer's declaration at www.festo.com/certificates/PEN_S)
- PLN: polyethylene tube; highly resistant to chemicals, microbes and hydrolysis; for suitability in the food industry, see www.festo.com/certificates/PLN; operating media: compressed air, vacuum, water (for water according to manufacturer's declaration, see www.festo.com/certificates/PLN)
- PUN: polyurethane tubing; very resistant to stress cracks; suitable for energy chains; operating media: compressed air, vacuum

Ordering data - modular system



This product and all its product options can be ordered online via the configurator.

- Customised lengths: delivery in packs of 150, 500, 1000, 1500 ft
- Customised design: specific printing possible
- Individual colour selection for easier recognition and handling
- Select, size and order quickly, easily and reliably with the configurator

Type code

001	Series
PLN	Plastic tubing, polyethylene, standard O.D.
PEN	Plastic tubing
PUN	Plastic tubing, polyurethane

002	Tubing outside diameter
1/8	1/8"
5/32	5/32"
3/16	3/16"
1/4	1/4"
5/16	5/16"
3/8	3/8"
1/2	1/2"
5/8	5/8"

003	Tube colour
BK	Black
BL	Blue
BN	Brown
GN	Green
NT	Natural
RD	Red
SR	Silver
WH	White
YE	Yellow

004	Packaging unit [ft]
150	150 ft
500	500 ft
1000	1000 ft
1500	1500 ft

Datasheet

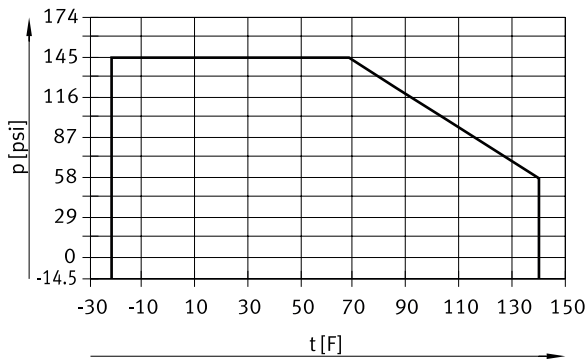
Operating and environmental conditions

Short type code	PEN	PLN	PUN-
Temperature-dependent operating pressure	-0.95 ... 10 bar	-0.95 ... 14 bar	-
Operating medium	Compressed air to ISO 8573-1:2010 [7:-], Water (liquid, ice-free)		Compressed air to ISO 8573-1:2010 [7:-]
Ambient temperature	-22 ... 140°F	-22 ... 177.8°F	-31 ... 140°F
Fire test material	-		UL94 HB
Tubing characteristics	Suitable for energy chains	-	Suitable for energy chains

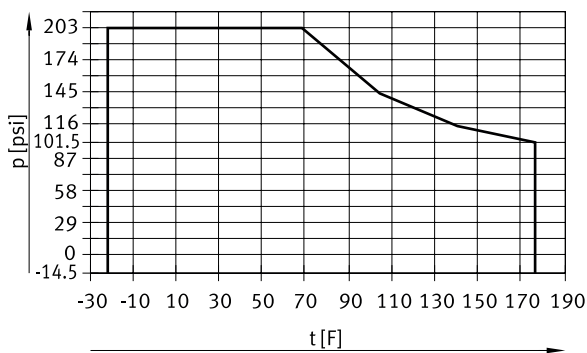
Materials

Short type code	PEN	PLN	PUN-
Material tubing	PE		TPE-U(PU)
Note on materials	RoHS-compliant		
LABS (PWIS) conformity	VDMA24364-B2-L		
Cleanroom class	Element installed statically, no meaningful evaluation possible according to ISO 14644-1	-	Element installed statically, no meaningful evaluation possible according to ISO 14644-1

Operating pressure p as a function of temperature t (PEN; NPT)



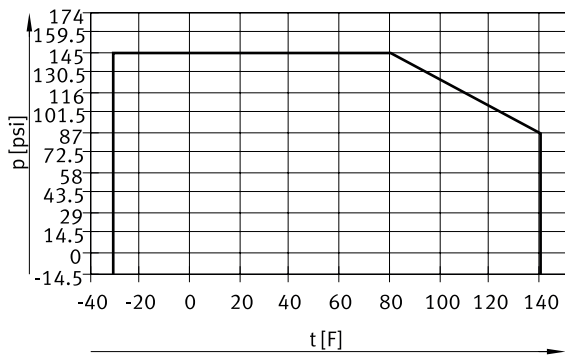
Operating pressure p as a function of temperature t (PLN; NPT)



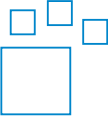
Deviating maximum operating pressures apply to the medium water, with a safety factor of $s=4$.

Datasheet

Operating pressure p as a function of temperature t (PUN-H; NPT)



Ordering data

Ordering information – Modular product system			
	Short type code	Part no.	Type
	PEN	567448	PEN.-U
	PLN	567449	PLN.-U
	PUN-	567446	PUN-U