

Data sheet

Plastic tubing PAN

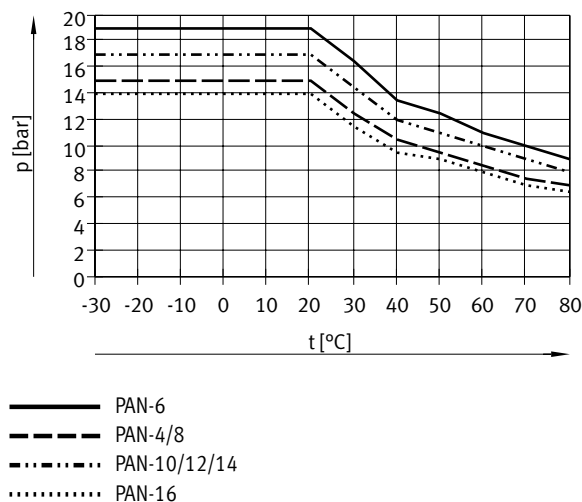
High thermal and mechanical load capacities.



Operating and environmental conditions							
Type	PAN-4	PAN-6	PAN-8	PAN-10	PAN-12	PAN-14	PAN-16
Outside Ø [mm]	4	6	8	10	12	14	16
Pneumatic connection							
For push-in connector [mm]	4	6	8	10	12	14	16
For barbed fitting [mm]	3	4	6	–	–	–	–
For barbed fitting with union nut [mm]	3	4	6	–	–	–	–
Temperature-dependent operating pressure [bar]	–0.95 ... +15 → graph	–0.95 ... +19 → graph	–0.95 ... +15 → graph	–0.95 ... +17 → graph	–0.95 ... +17 → graph	–0.95 ... +17 → graph	–0.95 ... +14 → graph
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]						
Ambient temperature [°C]	–30 ... +80						
Certification	German Technical Control Board (TÜV)						
Maritime classification	See certificate (colours: silver and natural) ¹⁾					–	See certificate (colours: silver and natural) ¹⁾
Tubing characteristics	Suitable for energy chains in applications with high cycle rates						
Tubing test conditions	Suitability for energy chains: > 5 million cycles to Festo standard 942021						

1) Additional information: www.festo.com/sp → Certificates.

Operating pressure p as a function of temperature t



Accessories

Type

→ Internet



Recommended fitting	
• Push-in fitting QS ¹⁾	qs
Well suited	
• Push-in fitting CRQS ¹⁾	crqs
• Push-in fitting NPQH ²⁾	npqh
• Push-in fitting NPQP ³⁾	npqp
• Push-in fitting NPQM ²⁾	npqm
• Push-in fitting NPQR ³⁾	npqr
• Click fitting NPKA ⁴⁾	npka
• Fitting NPCK ⁵⁾	npck
• Quick connector CK ⁶⁾	ck
• Barbed fitting CN ⁶⁾	cn
Limited suitability	
• Push-in fitting QS-V0 ³⁾	qs-v0

1) Not for O.D. 14 mm

2) Not for O.D. 16 mm

3) Not for O.D. 14/16 mm

4) For O.D. 6 mm only

5) For O.D. 4/6/8/10 mm only

6) For O.D. 4/6/8 mm only

Materials

Shore hardness	D 55 ±3
Tubing	TPE-A
Note on materials	RoHS-compliant
	Copper/PTFE-free

Data sheet

Dimensions and ordering data								
Outside Ø	Inside Ø	Min. bending radius	Flow-relevant bending radius	Weight	Colour	Part no.	Type	PJ ¹⁾
[mm]	[mm]	[mm]	[mm]	[kg/m]				[m]
8	5.9	22	43	0.024	Silver	152700	PAN-8x1.25-SI	1 ... 50
					Silver	553890	PAN-8x1.25-SI-400	400
					Blue	553908	PAN-8x1.25-BL	1 ... 50
					Blue	553896	PAN-8x1.25-BL-400	400
					Black	553914	PAN-8x1.25-SW	1 ... 50
					Black	553902	PAN-8x1.25-SW-400	400
					Natural	546286	PAN-8x1.25-NT	1 ... 50
					Green	553920	PAN-8x1.25-GN	1 ... 50
					Red	553926	PAN-8x1.25-RT	1 ... 50
					Yellow	553932	PAN-8x1.25-GE	1 ... 50
10	7	27	58	0.042	Silver	152701	PAN-10x1.5-SI	1 ... 50
					Silver	553891	PAN-10x1.5-SI-300	300
					Blue	553909	PAN-10x1.5-BL	1 ... 50
					Blue	553897	PAN-10x1.5-BL-300	300
					Black	553915	PAN-10x1.5-SW	1 ... 50
					Black	553903	PAN-10x1.5-SW-300	300
					Natural	546287	PAN-10x1.5-NT	1 ... 50
					Green	553921	PAN-10x1.5-GN	1 ... 50
					Red	553927	PAN-10x1.5-RT	1 ... 50
					Yellow	553933	PAN-10x1.5-GE	1 ... 50
12	8.4	29	64	0.060	Silver	152702	PAN-12x1.75-SI	1 ... 50
					Silver	553892	PAN-12x1.75-SI-200	200
					Blue	553910	PAN-12x1.75-BL	1 ... 50
					Blue	553898	PAN-12x1.75-BL-200	200
					Black	553916	PAN-12x1.75-SW	1 ... 50
					Black	553904	PAN-12x1.75-SW-200	200
					Natural	546288	PAN-12x1.75-NT	1 ... 50
					Green	553922	PAN-12x1.75-GN	1 ... 50
					Red	553928	PAN-12x1.75-RT	1 ... 50
					Yellow	553934	PAN-12x1.75-GE	1 ... 50
14	10	50	80	0.077	Silver	570392	PAN-14x2-SI	1 ... 50
16	12	67	94	0.092	Silver	152703	PAN-16x2-SI	1 ... 50
					Silver	553893	PAN-16x2-SI-100	100
					Blue	553911	PAN-16x2-BL	1 ... 50
					Blue	553899	PAN-16x2-BL-100	100
					Black	553917	PAN-16x2-SW	1 ... 50
					Black	553905	PAN-16x2-SW-100	100
					Natural	546289	PAN-16x2-NT	1 ... 50
					Green	553923	PAN-16x2-GN	1 ... 50
					Red	553929	PAN-16x2-RT	1 ... 50
					Yellow	553935	PAN-16x2-GE	1 ... 50

1) Packaging unit
Can only be ordered by the metre.