

PVC-hose - type PVS

DN 4- DN 100



Type PVS-0



Type PVS-1



Type PVS-2

Structure type PVS

- Hose with integrated connection fittings
- Fittings fixed by aluminium clamping shells or clips
- Connection fittings with flange, male and/or female thread or couplings
- Smooth inner hose of PVC
- Three hose versions:
 - Type PVS-0: transparent inner hose without reinforcement
 - Type PVS-1: transparent inner hose with reinforcement
 - Type PVS-2: transparent inner hose with helix (vacuum-resistant)

Hose

Material quality**	Trade names	Temperature*	Properties
PVC Polyvinyl chloride	Hostalit Vinoflex Vestolit	-20°C to +70°C	High compressive strength, high flexibility, low weight, food-resistant, oil-proof, highly resistant to fats, acids, lyes

*Check or inquire about the reduction in pressure due to temperature change

**Check or inquire about the resistance of the material to temperature and medium

Applications

- for absorbing lateral movement and lifting movement
- as universal elastic connection for industrial use
- for reducing thermal and mechanical stress
- for handling and filling media of all kinds
- can be used as pressure hose
- can be used as vacuum-resistant suction hose with helix for the
 - food and beverage industry
 - air-con and ventilation engineering
 - swimming pool systems
 - irrigation and drainage systems
 - cleaning industry

Threaded connections

Dimensions

- Female and male thread, in accordance with ISO 7-1 conical thread (pressure-tight joints made on the threads)
- Female and male thread, in accordance with ISO 228-1 cylindrical thread (pressure-tight joints not made on the threads)
- Dairy screwed union DIN 11851

Materials

- Threaded connections of brass
- Other materials on request

Flange connections

Dimensions

- Fixed flanges, in accordance with DIN 2633 (PN 16)
- Rotating flanges with rim, in accordance with DIN 2673 (PN 10)

Materials

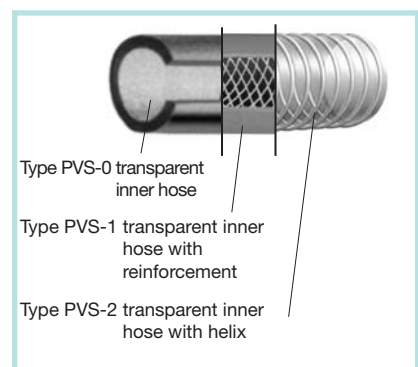
- Flanges and sockets of unalloyed steel
- Clamping shell of aluminium
- Clamping clips of stainless steel
- Other materials and flange connections on request

Special versions

Various application-related special versions

- as flat hose
- as control hose (transparent version)

Versions



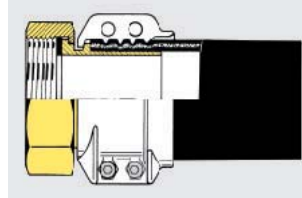
Hose pressure ratings

DN	Tol. operating pressure at +20°C (bar)		
	PVS-0	PVS-1	PVS-2
4	6	8	-
6	6	8	-
8	6	7	-
10	6	7	-
13	6	6	-
19	5	6	6
25	5	5	6
32	4	5	5
38	3	5	5
50	2	5	5
65	2	4	5
80	-	4	5
100	-	4	4

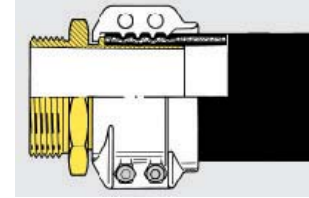
Note

Please comply with the technical instructions in the general description of the hoses and in the installation and operating instructions. Subject to technical alterations and deviations resulting from the manufacturing process.

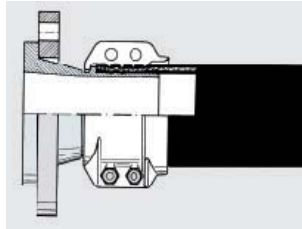
Connection types



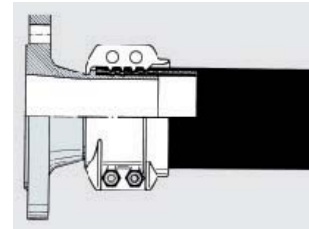
Union nut, with female thread (ISO 228-1), (pressure-tight joints not made on the threads)



Nipple with fixed male thread (ISO 228-1), (pressure-tight joints not made on the threads)



Flange connection with rim/rotating flange



Flange connection with fixed flange

Hose dimensions/bend radius

DN	Type PVS-0		Outer ø approx. mm	Type PVS-1		Outer ø approx. mm	Type PVS-2	
	Outer ø approx. mm	Bend radius		Bend radius			Outer ø approx. mm	Bend radius
				Single	Dynamic*		Single	Dynamic*
4	7	k.A.	10	32	45	-	-	-
6	10	k.A.	12	48	65	-	-	-
8	12	k.A.	14	64	90	-	-	-
10	14	k.A.	16	80	110	-	-	-
13	19	k.A.	20	104	145	-	-	-
19	26	k.A.	26	115	160	26	75	105
25	33	k.A.	34	150	210	32	120	165
32	42	k.A.	42	192	260	40	150	210
38	48	k.A.	48	228	310	48	180	250
50	60	k.A.	60	306	420	58	220	300
65	82	k.A.	82	378	520	78	320	440
80	-	-	94	456	625	89	360	490
100	-	-	116	612	840	110	480	660

*Refers to use at 20°C without dynamic load