

# BioPure Braided silicone hose assemblies



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## Features and benefits

- Constructed from biopharmaceutical grade BioPure BPSHP high pressure silicone hose for critical bioprocess fluid transfer
- Lot traceable, USP Class VI with 316 stainless steel fittings and SF4 surface finish to meet validation and quality requirements
- Lightweight and flexible compared to wire reinforced or wire braided hose for ease of installation where space is limited
- Custom lengths and configuration with optional silicone encapsulated tagging to meet a wide range of applications with visible marking to indicate intended use
- Assemblies are pressure tested to ensure integrity and reliability
- Suitable for repeat autoclave and application in multi-use systems as well as single-use



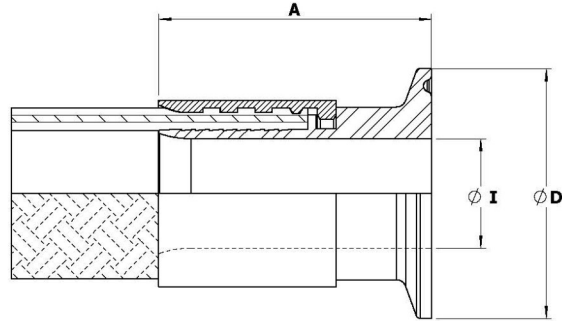
## Technical specifications

	BioPure Braided silicone hose assemblies
Nominal bore size	10 - 25 mm
Nominal bore size	0.375 - 1 in
Max. operating pressure	9.5 bar
Max. operating pressure	139 psi
Burst pressure	22.1 - 38.3 bar
Burst pressure	32 - 555 psi
Certification and compliance	3.1 Traceability, ADCF, EP 3.1.9, ISO 45001:2018, USP Class VI
Operating temperature range	-65 to 254 °C
Operating temperature range	-85 to 490 °F
Bend radius	44.4 - 101.6 mm
Bend radius	1.75 - 4 in
Gamma stability	Yes
Autoclave stability	Yes

## Materials of construction

	BioPure Braided silicone hose assemblies
Liner tube	Platinum cured silicone
	Polyester

## BioPure Braided silicone hose assemblies dimensions



**DIN 32676 SERIES C (ASME BPE)**

Hose Bore		Fitting Size	Flange Diameter D		Hose Outlet Diameter I		Fitting Length A	
mm	in	ASME BPE	mm	in	mm	in	mm	in
10	3/8	1/2	25	0.984	9.4	0.370	39.1	1.54
10	3/8	3/4	25	0.984	15.75	0.620	47	1.85
15	1/2	1/2	25	0.984	9.4	0.370	39.1	1.54
15	1/2	3/4	25	0.984	15.75	0.620	47	1.85
15	1/2	1	50.5	1.988	22.1	0.870	51.6	2.03
20	3/4	3/4	25	0.984	15.75	0.620	48	1.89
20	3/4	1	50.5	1.988	22.1	0.870	52.6	2.07
25	1	1	50.5	1.988	22.1	0.870	55.1	2.17
25	1	1.5	64	2.520	50	1.969	78	3.071

**DIN 32676 SERIES B (ISO)**

Hose Bore		Fitting Size	Flange Diameter D		Hose Outlet Diameter I		Fitting Length A	
mm	in	METRIC DN (150)	mm	in	mm	in	mm	in
10	3/8	17.2	25	0.984	14	0.551	39.1	1.54
10	3/8	21.3	50.5	1.988	18.1	0.713	40.1	1.58
15	1/2	21.3	50.5	1.988	18.1	0.713	41	1.61
15	1/2	26.9	50.5	1.988	23.7	0.933	41	1.61
20	3/4	26.9	50.5	1.988	23.7	0.933	51.6	2.03
20	3/4	33.7	50.5	1.988	29.7	1.169	51.6	2.03
25	1	33.7	50.5	1.988	29.7	1.169	55.1	2.17
25	1	42.4	64	2.52	38.4	1.512	55.1	2.17

**DIN 32676 SERIES A**

Hose Bore		Fitting Size	Flange Diameter D		Hose Outlet Diameter I		Fitting Length A	
mm	in	METRIC DN (150)	mm	in	mm	in	mm	in
10	3/8	10	34	1.339	10	0.394	39.1	1.54
10	3/8	15	34	1.339	16	0.630	39.1	1.54
15	1/2	15	34	1.339	16	0.630	39.7	1.56
15	1/2	20	34	1.339	20	0.787	39.7	1.56
20	3/4	20	34	1.339	20	0.787	46.1	1.81
20	3/4	25	50.5	1.988	26	1.024	52.6	2.07
25	1	25	50.5	1.988	26	1.024	55.1	2.17
25	1	32	50.5	1.988	32	1.260	55.1	2.17

**Product codes****Specify Hose ID and fitting size for each hose end from the table below**

	METRIC DN (150)	In	Hose Bore			
			10 mm (3/8 ")	15 mm (1/2")	20 mm (3/4 ")	25 mm (1 ")
ASME BPE	15	1/2	o	o		
	20	3/4	x	o	o	
	25	1		x	o	o
	40	1 1/2			x	o
DIN 32676A	10	3/8	x			
	15	1/2	o	o		
	20	3/4		x	x	
	25	1			o	o
	32	1 1/4				o
DIN 3267B	10	3/8	x			
	15	1/2	x	x		
	20	3/4		x	x	
	25	1			x	x
	32	1 1/4				x

o = Standard sizes. Non standard sizes are made to order

Specify hose length (in feet or metres)

Example: 1 ft (0.3 m) - 50 ft (12.7 m)

Specify special marking or streamline tagging

Laser marking of the ferrule and/or custom streamline tagging (silicone encapsulated label) upon request

Example: 1/2" hose - (end 1) 1/2" - (end 2) DIN 15A - 2 m length

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