

# BioPure Braided silicone hose assemblies



BioPure Braided silicone hose assemblies

## 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



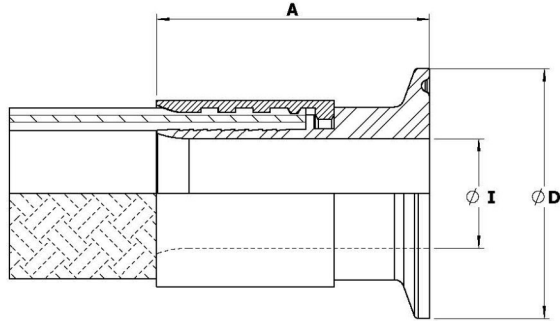
## Technical specifications

	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 °C to 254 °C
Operating temperature range	-85 °F 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
Braid	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

---

Disclaimer: The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the user's responsibility to ensure product suitability for use within their application. Bioflex, Corroflon, Corroline, Hyperline FX, Pharmaline are registered trademarks of Aflex Hose Limited. A member of Watson-Marlow Fluid Technology Solutions, A Spirax-Sarco Engineering plc company.

*[wmfts.com/global](http://wmfts.com/global)*



04 July 2024