

## PHARMALINE

### HOSE TYPES, DESIGNS & APPROVALS

Pharmaline GP has a PTFE hose liner tube, manufactured from PTFE material in accordance with FDA requirement 21 CFR 177.1550. An antistatic PTFE option is also available, Pharmaline AS, using liner material in accordance with the FDA requirement 21 CFR 178.3297.

Both Pharmaline GP and Pharmaline AS have been tested and the PTFE liners comply with USP Class VI, including the Elution (Cytotoxicity) test.

Both include grade 304 SS wire Braid, and a Platinum Cured white silicone rubber cover (Postcured 4 hours at 200°C in accordance with requirements for USP Class VI). The Silicone Rubber material is in accordance with FDA requirement CFR-177-2600.

ATEX - Attestations of Conformity and Labelling are available for the Pharmaline range of hose and hose assemblies.

### PROPERTIES

- Temperature Range: -60°C (-80°F) to +200°C (+400°F).
- Pressure vs Temperature - Pressure ratings are as listed up to 130°C (266°F), then reducing at 1% per 1°C (1.8°F) up to +200°C (400°F).
- Vacuum - All sizes fully vacuum resistant up to 130°C.

### FURTHER TECHNICAL INFORMATION

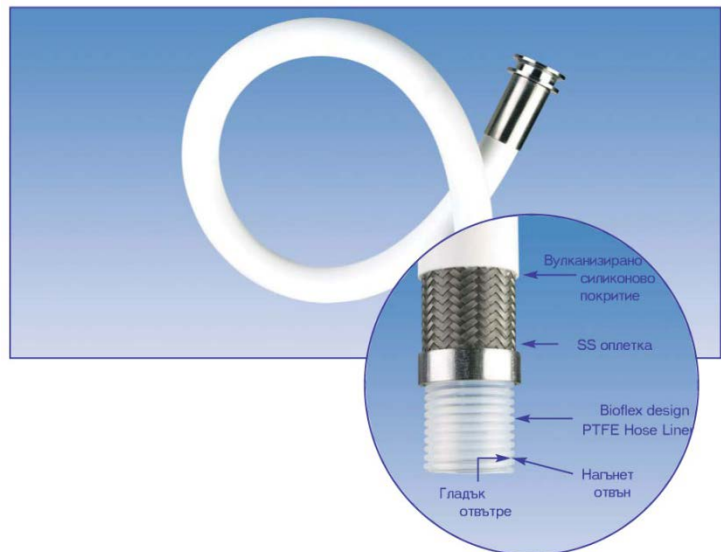
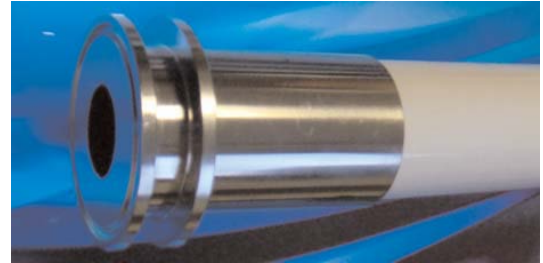
Further technical information related to PTFE material, Antistatic specifications, usage requirements and limitations, testing and flow rates etc. is available in the Bioflex Product Information pages on the OPW market website.

### CRIMPED END FITTINGS

- Sanitary and Mini Sanitary Triclamp (Triclover) Fittings in 316 SS, with bores electropolished to <math><0.375\mu\text{m}</math> (<math><15\mu\text{in}</math>).
- I-Line Fittings, Compression Fittings, BSPT & NPT Male, Flanges, Camlocks, DIN11851, RJT, SMS, RJP and others are also available to special order.

### RELINK END FITTINGS

"Relink" Self Assembly, Re-usable end fittings are also available for end fitting types as listed above. These can be assembled and disassembled by the Customer, and are to a Patented Design. The purchase of a Relink Hand press is required, and further information is available on the Relink leaflet on the Dais's website. Available for use with hose up to 1" - 25.4mm



## Contact us:

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## Catalogues:

Ducting hoses  
 Industrial hoses  
 Fittings  
 Safety couplings  
 Chemical resistance table ducting hoses  
 Chemical resistance table hoses

## Selection of PHARMALINE

Номер	DN		I. D. mm	O. D. mm	R мин mm	WP bar	BP bar	Тегло kg
	inch	Mm						
PHL-06	1/4	6.4	6.8	11.6	19	130	520	0.17
PHL-10	3/8	9.5	9.5	15.5	25	100	400	0.22
PHL-13	1/2	12.7	12.7	19.5	38	70	280	0.37
PHL-19	3/4	19.0	19.0	27.3	63	60	240	0.65
PHL-16	5/8	16.0	16.0	24.4	50	65	260	0.52
PHL-25	1	25.4	25.4	34.8	100	50	200	0.88
PHL-38	1 1/2	38.0	38.8	51.7	170	38	158	1.698
PHL-50	2	50.0	51.5	65.7	210	28	123	2.355

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