



ChemPharma Flow Solutions

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PRODUCT FACT SHEET: STRATUS™ PTFE-LINED SILICONE HOSE



Applications

Suitable for all pharmaceutical and biopharmaceutical processing, utilities and cleaning applications.

Benefits

- Zero entrapment potential
- Better product recovery
- Reduced ownership cost
- Universal SIP, CIP and product compatibility
- Minimal absorption
- Fully traceable to raw materials
- True sanitary I.D. dimensions
- Lightweight and flexible

Construction

Natural smooth bore Teflon® PTFE liner, flared through a platinum cured stainless steel wire and fabric reinforced silicone shell, creating uninterrupted product contact surface.

Features

- Flare-through design
- Maximum drainability
- Extended life cycle
- One wetted part (Teflon®)

Approved materials throughout

- USP Class VI <88>
- USP MEM Elution <87>
- 21 CFR 177.1550 (Teflon®)
- ISO 10993

Accessories

- Encapsulated silicone label marking available
- Mini-hygienic clamp
- Hygienic clamp

Fittings Materials

- Teflon® (wetted)
- Hygienic clamp flare-through fittings
- 316 stainless steel (non wetted)

General hose data

Nominal Size		Hose ID		Hose OD		Minimum Bend Radius		Max Working Pressure @		Burst Pressure @		Vacuum Rating @	Force to Bend (lbs.*)
INCH	MM	INCH	MM	INCH	MM	INCH	MM	70°F (21°C) - 280°F (137°C)	70°F (21°C) - 280°F (137°C)	70°F (21°C) - 280°F (137°C)	70°F (21°C) - 280°F (137°C)		
								PSIG	BAR	PSIG	BAR		
1/2	15	0.37	9.4	0.895	22.7	2.375	60.3	475	32.8	1900	131	FULL @ 29.9" Hg	6
3/4	20	0.62	15.8	1.145	29.1	2.937	74.6	450	31	1800	124	FULL @ 29.9" Hg	7
1	25	0.87	22.1	1.41	35.8	4.156	106	425	29.3	1700	117	FULL @ 29.9" Hg	9.5
1 1/2	40	1.37	34.8	1.895	48.1	7.062	179	400	27.6	1600	110	FULL @ 29.9" Hg	10
2	50	1.87	47.5	2.395	60.8	11.81	300	350	24.1	1400	96.5	FULL @ 29.9" Hg	8.7

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