

PUREFLEX INNOVATION

No other company in the industry rivals PureFlex's product integration. Using the most advanced manufacturing techniques, PureFlex integrates design, hose and fitting manufacturing, testing and assembly—all under one roof. Add the largest selection of end fittings and it's easy to see why PureFlex is the company of choice for those with demanding transfer processes.

FLEXCHEM HOSE

FlexChem is one of the industry's most versatile, rubber covered FEP-lined transfer hoses. It is designed for full flow applications that require maximum flexibility, minimum weight high purity.

This smooth bore FEP hose with its EPDM rubber cover is easy to handle and resists abrasion and chemical attack while it facilitates easy cleanability. The smooth, rubber cover makes it easy for operators to safely grip and handle the hose.

FlexChem hose incorporates a FEP, smooth bore design which gives it superior flexibility. Through a proprietary process, the FEP liner is bonded, covered and reinforced with multi-layered rubber, spiral-wound polyester cords and a double helix wire which gives it superior flexibility. Grounding is possible via its internal wires.

This wire helix "back bone" also supports full vacuum service. FlexChem series hose is available in white FEP or a PTFE conductive black liner where electrostatic dissipation is required. To ensure continuous fluid contact with FEP throughout the hose assembly, the FEP liner can be factory flared through: flanges; sanitary fittings; male and female cams.

FLEXCHEM ADVANTAGES

- **Corrosion Resistant.**

FEP & PTFE are fully resistant to the broadest range of industrial chemicals and have a zero corrosion rate and lower life cycle cost.

- **Cleanable.**

Non-stick, low porosity tube does not trap bacteria and can be cleaned with steam, detergents, caustics or solvents.

- **Sanitary.**

FDA-approved materials meet or exceed 3A requirements.

- **Compatible.**

Will not contaminate or impart a taste, color or odor to any media.

- **Flexible.**

The most flexible rubber covered hose in the industry. Does not fatigue or stress corrode like metal hose.

- **Durable.**

Designed for extended use in hostile environments involving severe chemical, thermal, and mechanical stresses. Does not suffer aging or embrittlement, even with extreme thermal cycling.

SPECIFICATIONS

Temperature Range: -40 °F (-40 °C) to 350 °F (177 °C)

I.D. NOMINAL (in)	O.D. NOMINAL	WORKING PRESSURE (psi)	MIN. BURST PRESSURE (psi)	VACUUM RATING (in. Hg)	MIN. BEND RADIUS (in)	WEIGHT PER FOOT (lbs)
1/2	0.95	500	2000	29.9	2.65	.34
3/4	1.25	500	2000	29.9	4.15	.51
1	1.55	450	1800	29.9	5.75	0.72
1-1/4	1.75	375	1500	29.9	8.50	0.89
1-1/2	2.13	350	1400	29.9	10.50	0.99
2	2.68	300	1200	29.9	13.00	1.38
3	3.88	250	1000	29.9	21.00	2.46
4	4.57	175	700	29.9	26.50	3.08
6	7.13	100	400	29.9	58.00	4.75