

Sanitary Hose



INDUSTRY COMPLIANCES:

- 3-A 62-01 LISTED
- ACCEPTED BY USDA DAIRY, EGG, MEAT AND POULTRY; CANADIAN FOOD INSPECTION AGENCY (CFIA)
- REVIEWED BY MILK SAFETY BRANCH IN COMPLIANCE WITH GRADE "A" PASTEURIZED MILK ORDINANCE

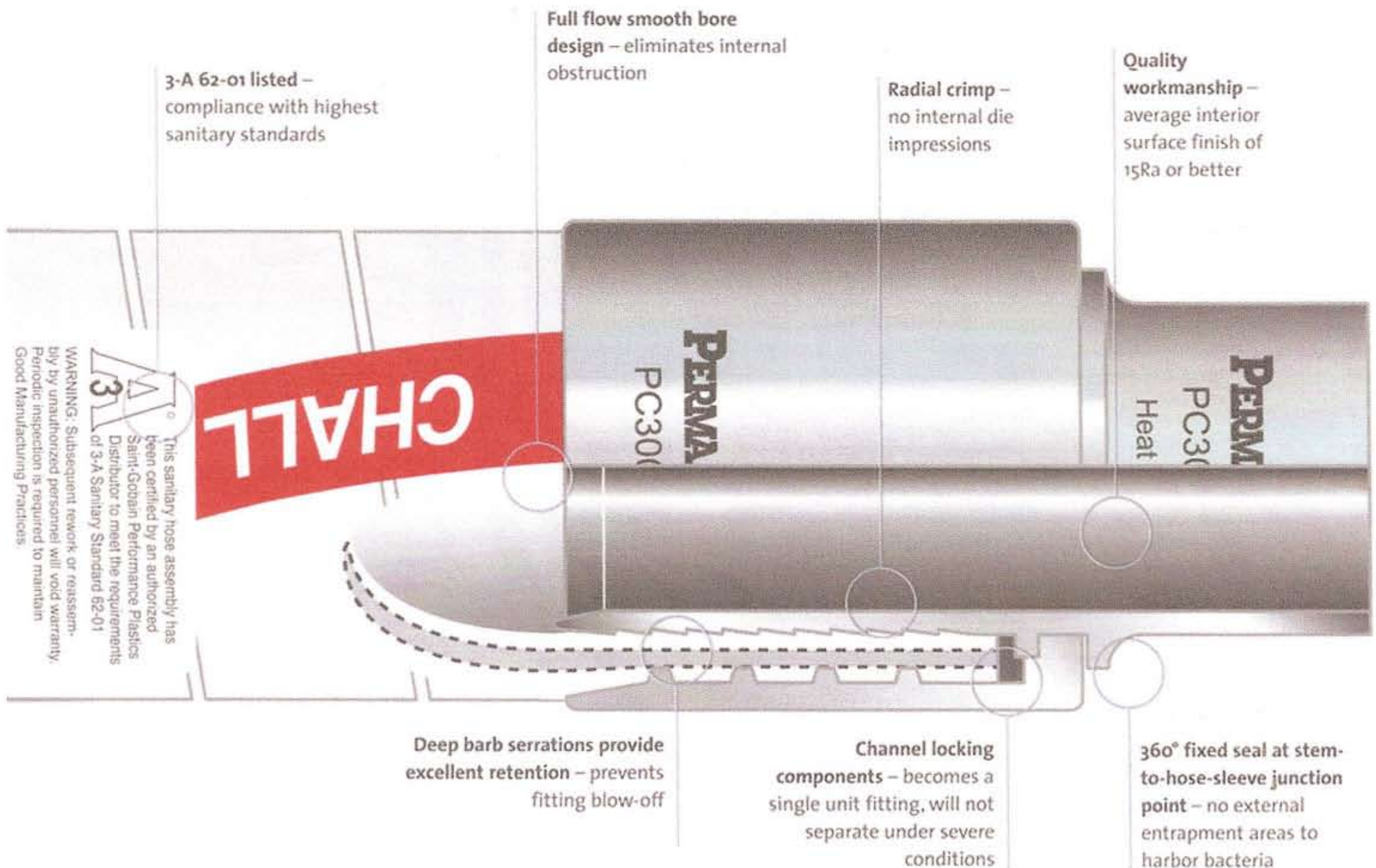
Applications

- Food
- Beverage
- Dairy
- Cosmetics
- Personal Hygiene
- Cleaning Aids
- Instrumentation



Features and Benefits

- **Radial crimp design**
 - Does not interfere with internal surface of coupling stem
 - 360° fixed seal at coupler/stem junction eliminates the possibility of product wicking between hose and fitting
- Made of grade 316L stainless steel with an average interior surface finish of 15Ra or better
- **Sanitary**
 - Meets the stringent requirements of high-purity applications
 - Full flow compression seal and smooth bore design prevent bacteria build-up
- **Cleanable**
 - Suitable for Clean-In-Place (CIP) procedures
- **Safe**
 - Channel locking components, when assembled, become a single unit that resists separation under severe conditions
 - Streamlined contours help protect workers



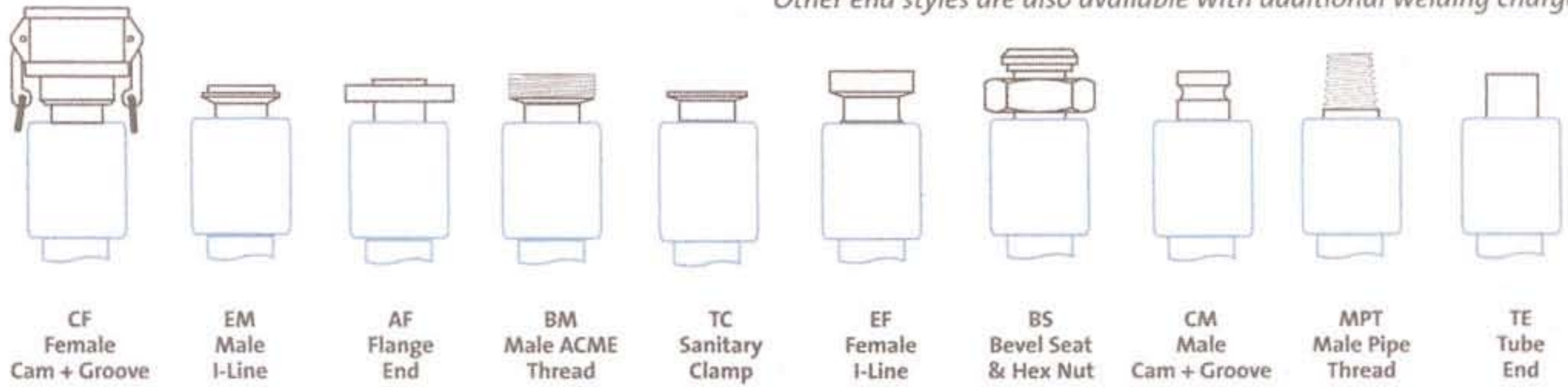
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Fitting Details

- PermaSeal® radial crimp fittings for PureGard® silicone, SaniGard® rubber and ClearGard® PVC hose and tubing are available in sizes 1/4" up to 6" in 10 standard end styles
- Stems are manufactured from grade 316L stainless steel with an average interior surface finish of 15Ra or better
- Hose sleeves are stainless steel

End Connector Styles

Other end styles are also available with additional welding charges.



Hose Sleeve (Stainless Steel)

- Elevated temperature
- CIP & COP suitable
- Excellent durability
- Higher pressure ratings
- Chemically resistant
- Lightweight streamlined contour



FGR Series



FEATURES/BENEFITS

- Multiple fabric reinforcements for pressure capability
- Flexes easily, withstands vacuum and facilitates static grounding
- Imparts no taste or odor
- Excellent chemical resistance
- Full vacuum rating
- Higher pressure rating

COLOR

- Gray with red spiral stripe

CONSTRUCTION

- Inner tube: white nitrile-PVC blend
- Cover: EPDM with clear helix rod reinforcement

FITTINGS

- PermaSeal® permanent

TEMPERATURE RATING

- -40° to 250°F

APPROVALS

- FDA, USDA, 3-A

HOSE SPECIFICATIONS

Part Number	Inside Diameter in. (mm)	Outside Diameter in. (mm)	Max.* Working Pressure (PSI)	Min. Bend Radius in.**	Vacuum in HG	Min. Burst Pressure (PSI)	Weight (lb./ft.)
HOSFGR-08	.500 (12.7)	.972 (24.7)	400	1.5	29.9	1650	.04
HOSFGR-12	.750 (19.1)	1.268 (32.2)	375	2.0	29.9	1500	.05
HOSFGR-16	1.000 (25.4)	1.518 (38.6)	350	3.0	29.9	1450	.06
HOSFGR-24	1.500 (38.1)	2.020 (51.3)	300	4.0	29.9	1200	.09
HOSFGR-32	2.000 (50.8)	2.520 (64.0)	250	4.5	29.9	1050	1.3
HOSFGR-40	2.500 (63.5)	3.138 (79.7)	150	6.0	29.9	700	1.9
HOSFGR-48	3.000 (76.2)	3.650 (92.7)	150	7.0	29.9	600	2.3
HOSFGR-64	4.000 (101.6)	4.670 (118.6)	150	10.0	29.9	600	3.1

* Based on ambient condition on exterior of hose. Elevated temperatures and characteristics of medium being transferred can affect working pressures and burst pressures.

** Measured on the inner surface of the curved portion. Data is based on static applications. For dynamic or cyclic applications, consult factory.