



**PRINCE**  
RUBBER & PLASTICS CO., INC

## “PANACEA”® Mark II (Reinforced) Chlorine Transfer Hose

“Panacea”® Mark II Hose assemblies are specifically designed to transfer chlorine, bromine, sodium hydroxide, sodium hypochlorite and other corrosive materials. The hoses are manufactured in accordance with Chlorine Institute Pamphlet 6 Piping Specifications.

**Custom Manufacturer & Fabricator of Rubber & Plastic Products**



### Quality Control & Testing

- Each hose is material lot traceable
- Each hose is subject to stringent QC procedures throughout the manufacturing process
- Each hose is permanently identified in accordance with Chlorine Institute specifications
- Each hose is thoroughly cleaned before assembly. No oils, solvents or other contaminants are used in the assembly process.
- Each hose is pressure tested with nitrogen gas at 2 times the rated operating pressure while fully submerged under water.
- Each hose is dried and capped for shipment.
- A unique serial number is applied to each end of the hose for further traceability and is maintained in a permanent log of all hose assemblies.

- Less costly than Monel hose.
- Self-draining, low profile helical convolutions.
- Minimum pressure drop for faster load and unload times.
- Can be inspected safely.
- Lightweight and ultra flexible for user friendly handling
- Unexcelled chemical resistance for longer service life.
- Moisture will not affect internal tube. Hose does not need to be cleaned and capped after every use.

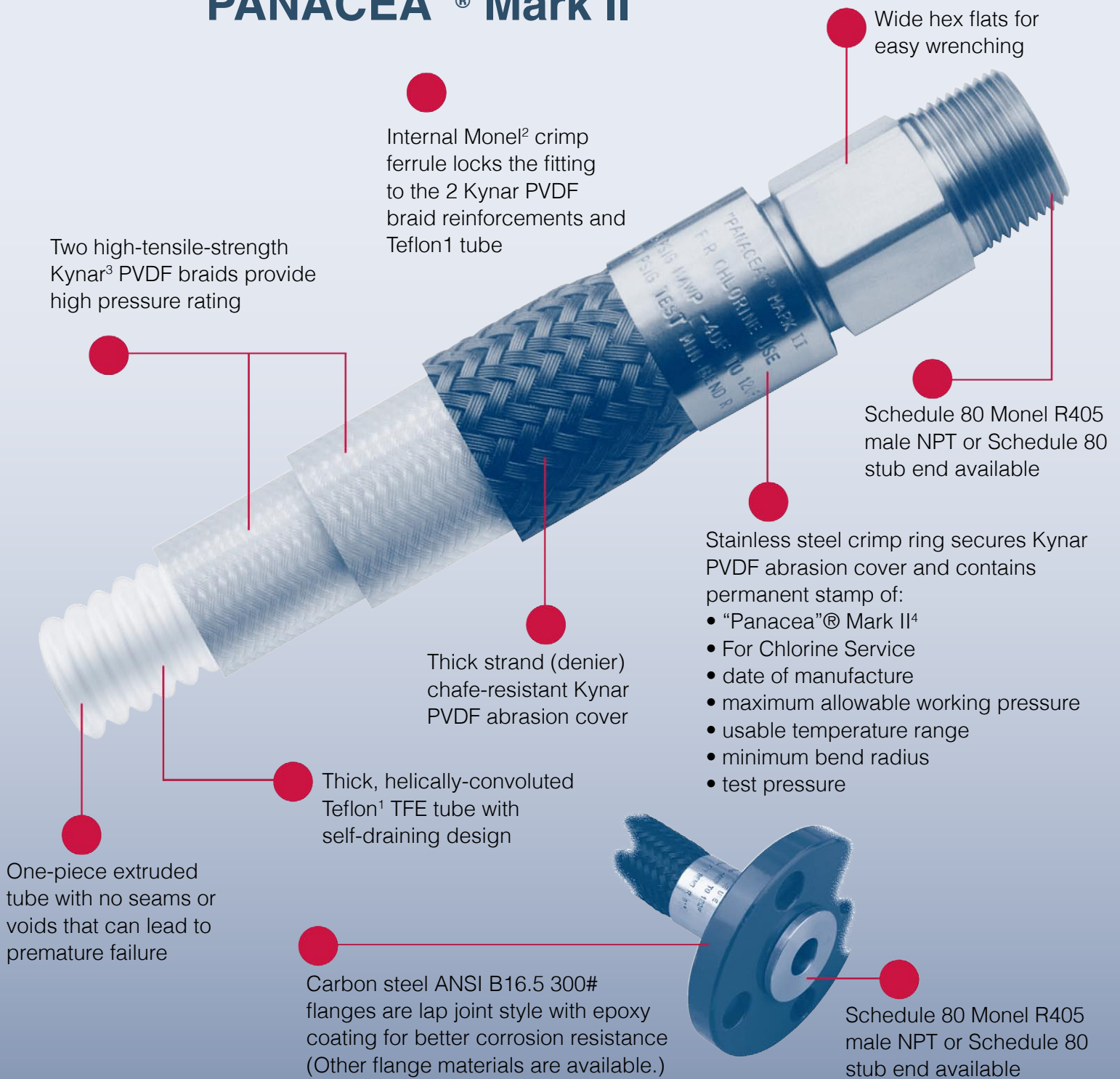


### Specifications

Hose Size I.D.		Max. Operating Burst Pressure		Min. Burst Pressure		Min. Bend Radius		Hose O.D.	
in.	mm*	psig	bar	psig	bar	in.	mm*	in.	mm*
1/2	12.7	500	34.5	2500	172.4	1.5	38	1.025	26
1	25.4	375	25.9	1875	129.3	3	76	1.650	41.9
1-1/2	38.1	375	25.9	1875	129.3	4	102	2.125	54

\* These hoses are not metrically sized.  
Metric dimensions are provided as a convenience only.

# “PANACEA”® Mark II



Wide hex flats for easy wrenching

Internal Monel<sup>2</sup> crimp ferrule locks the fitting to the 2 Kynar PVDF braid reinforcements and Teflon<sup>1</sup> tube

Two high-tensile-strength Kynar<sup>3</sup> PVDF braids provide high pressure rating

Schedule 80 Monel R405 male NPT or Schedule 80 stub end available

Stainless steel crimp ring secures Kynar PVDF abrasion cover and contains permanent stamp of:

- “Panacea”® Mark II<sup>4</sup>
- For Chlorine Service
- date of manufacture
- maximum allowable working pressure
- usable temperature range
- minimum bend radius
- test pressure

Thick strand (denier) chafe-resistant Kynar PVDF abrasion cover

Thick, helically-convoluted Teflon<sup>1</sup> TFE tube with self-draining design

One-piece extruded tube with no seams or voids that can lead to premature failure

Carbon steel ANSI B16.5 300# flanges are lap joint style with epoxy coating for better corrosion resistance (Other flange materials are available.)

Schedule 80 Monel R405 male NPT or Schedule 80 stub end available

<sup>1</sup> Teflon is a registered trademark of The Chemours Company FC, LLC

<sup>2</sup> Monel is a registered trademark of Huntington Alloys, Inc.

<sup>3</sup> Kynar is a registered trademark of Arkema

<sup>4</sup> “Panacea”® is a registered trademark of Prince Rubber & Plastics Co., Inc.

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