

# UNI-CHEM<sup>®</sup>

## STANDARD CHEMICAL COMPOSITE

UNI-CHEM<sup>®</sup> STANDARD CHEMICAL SERVICE COMPOSITE HOSE IS SPECIFICALLY DESIGNED FOR IN-PLANT LIQUID TRANSFER OPERATIONS AS WELL AS TANK TRUCK DELIVERY AND RAIL CAR LOADING. THESE HOSES OFFER SUPREME FLEXIBILITY IN COMPARISON TO RUBBER HOSES.  
**\*RATED FOR FULL VACUUM.**



### Uni-Chem<sup>™</sup> Chemical Service

Specifically designed for in-plant liquid transfer operations as well as tank truck delivery and rail car loading. These hoses offer supreme flexibility in comparison to rubber hoses. This flexibility aids operators when handling both charged and uncharged hoses. Constructed with multiple plies of polypropylene films and polyester vapor barrier, hoses can be operated at positive pressure or full suction. Rated for full vacuum.

**Uni-Chem<sup>™</sup> PG, PS**  
**Uni-Chem<sup>™</sup> SG, SS**

Available diameters: 1" to 10"  
 Maximum length: 100 ft (10' - 80ft)  
 Operating Temperature: -40°F to +212°F / -40°C to +100°C

### Versatile End Configurations

Only Uni-CHEM<sup>®</sup> offers uniformly crimped hose ends (1" to 10" I.D.). Combined with our custom tooled end fittings Uni-CHEM<sup>®</sup> provides leak-free assembly every time.

**Male NPT Ends:** Carbon Steel, 316 Stainless Steel, 304 Stainless Steel, Polypropylene

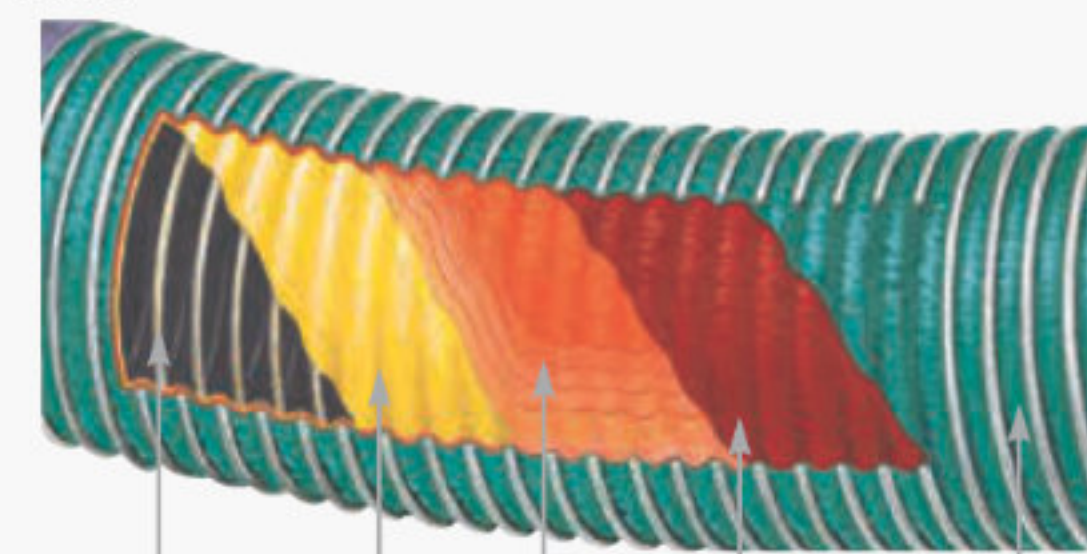
**Flanged Ends:** TTMA flanges for Bottom Loading hoses. Fixed or floating in Carbon Steel, 304 and 316 Stainless Steel

**Cam and Groove:** Quick disconnect couplings in 304 and 316 Stainless Steel and Aluminum - Locking Female available



### Superior Performance from the Inside Out

Uni-CHEM<sup>®</sup> composite hoses are made only with carefully selected materials throughout. Their inner films and fabrics provide optimum chemical resistance against today's highly aggressive media. Protected with the toughest PVC impregnated outer covers, Uni-CHEM<sup>®</sup> composite hoses provide the strength and versatility needed to get the job done.



Inner Helix Wire, Polypropylene Inner tube Film & Fabric, Vapor Barrier Films, Reinforcing Fabric, PVC Impregnated Nylon Cover and Outer Helix Wire

## Specification Chart

ID (INS)	1	1.5	2	3	4	6	8	10
ID (OUT)	1.5	1.9	2.4	3.4	4.4	7.0	9.4	10.5
Max WP PSI	250	250	250	250	250	250	250	200
Burst Pres PSI	1000	1000	1000	1000	1000	1000	1000	800
Bend Rad. Inches	4.0	5.0	6.0	7.9	11.9	22.0	30.0	40.0
Weight LB/FT	.60	.80	1.60	2.40	3.20	7.2	11.0	14.5

Style	Internal Wire	External Wire	Style	Internal Wire	External Wire
GG	Galvanized Steel	Galvanized Steel	PP	Black Polypropylene Coated	Black Polypropylene Coated
PG	Black Polypropylene Coated	Galvanized Steel	SG	316 Stainless Steel	Galvanized Steel
PS	Black Polypropylene Coated	Stainless Steel	SS	316 Stainless Steel	Stainless Steel

Uni-CHEM<sup>®</sup> Composite Hose are manufactured in compliance with BS 5842 and are available with EN 13765 compliant construction. Marine Service Applications: All Uni-CHEM<sup>®</sup> hose styles are constructed to marine service specifications in accordance with US Coast Guard spec. 154.500 and I.M.O regulations.

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**COMPOSITE**