



T5090E Series

Acid – Chemical S & D
240 PSI – UHMWPE
Meets FDA Requirements
Suitable for use with DEF

Warning
Before using chemical hoses consult chemical resistance chart or consult factory.

General Applications:

Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 78 – 87.

Construction:

Tube: Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).

Reinforcement: Synthetic textile cords with flexible steel helix wire.

Cover: Blue EPDM – abrasion and ozone resistant.

Working Pressure:

Constant Pressure – 16 Bar (240 PSI)

Service Temperature Range:

Normal recommended operating temperature is -22°F (-30°C) to +200°F (+93°C)

Branding:

ALFAGOMMA – ITALY T509 16 BAR (240 PSI) – UHMWPE CHEMICAL – S & D (in orange letters)

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T5090E075	3/4	19	1.22	31	240	27	7 1/2	100	0.41
T5090E100	1	25	1.46	37	240	27	9	100	0.50
T5090E125	1 1/4	32	1.73	44	240	27	10 1/4	100	0.60
T5090E150	1 1/2	38	1.97	50	240	27	13 1/4	100	0.68
T5090E200	2	51	2.48	63	240	27	16 1/4	100	0.91
T5090E250	2 1/2	63	3.03	77	240	27	17 1/2	100	1.40
T5090E300	3	76	3.62	92	240	24	20 3/4	100	1.91
T5090E400	4	102	4.65	118	240	24	26 1/2	100	2.61
T5090E600	6	152	6.77	172	240	24	40	100	5.28

COUPLING SUGGESTIONS

Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.