

RTPE165 HIGH PRESSURE



UNI-BRAID® RTPE165 HOSE

Titeflex RTPE165 Series....

APPLICATIONS:

The ultimate transfer hose for a variety of high pressure applications.

- R.I.M. Reaction injection molding machines
- Industrial gasses
- Hydraulic service with phosphate ester fluids
- Compressed natural gas
- Transfer of automotive sealants

TEMPERATURE RANGE:

- -65°F to 300°F Intermittent

AVAILABILITY:

UNI-BRAID can be fitted and tested to your exact specification. Kord Industrial is certified to fabricate and distribute all Titeflex High Pressure RTPE series hose assemblies.

END FITTING ATTACHMENTS:

RTPE165 series fitting selection include 304-316 SS Tube Stub, FJIC Swivel, and male/Female Face Seal end fitting configurations for most hose I.D. sizes.

The hose ends are permanently attached by either swaging or crimping, depending on end style selected.

Please see hose End Catalog for complete fitting selection and specifications.

RTPE165 HOSE

HOSE PART NUMBER	NOMINAL SIZE		NOMINAL ID	NOMINAL OD	MAX OPERATING PRESSURE† ROOMTEMP	ROOMTEMP BURST	HIGHTEMP BURST	MAXIMUM CONTINUOUS LENGTH	MINIMUM BEND RADIUS	HOSE WEIGHT
	in	mm	in	in	psi	psi	psi	ft	in	lb/ft
RTPE165-04	1/4	6	.222	.435	5,000	15,000	12,000	50	1.50	.120
RTPE165-06	3/8	10	.308	.535	5,000	15,000	12,000	50	2.50	.190
RTPE165-08	1/2	13	.403	.660	5,000	15,000	12,000	50	2.87	.270
RTPE165-12	3/4	19	.630	1.050	5,000	15,000	12,000	50	3.87	.770
RTPE165-16	1	25	.867	1.330	5,000	15,000	9,000	50	5.00	1.220
RTPE165-20	1-1/4	32	1.118	1.720	5,000	15,000	9,000	33	12.00	2.050
RTPE165-24	1-1/2	38	1.383	1.990	4,000	12,000	9,000	33	14.00	2.15

† Operating pressures shown are for non-impulse service. Consult factory for temperature-adjusted ratings and impulse cycle applications.

TITEFLEX RTPE165 Series ...Special RTPE Formulation.

APPLICATION ADVANTAGES:

- Special RTPE formulation is resistant to phosphate ester based hydraulic fluids
- Heavy-Duty cover improves resistance to over-bending damage during installation.
- Black Cover Color
- Patented UNI-BRAID® construction features a single outer layer braid that reduces bulk while maximizing pressure capability and provides an exceptionally tight bend radius and is further enhanced by the addition of the RTPE (rubberized thermoplastic elastomer) jacket.
- Developed in conjunction with one of the largest Aerospace manufacturers to meet the harsh demands of transferring under high-pressure, aggressive phosphate ester hydraulic fluids. In this demanding service, users have experienced seepage and failure of elastomer tube hose construction. Smooth Sarlink Cover can be easily cleaned.
- Hose Construction: RTPE165 hose is made of conductive PTFE using Titeflex "ZS" (Zero Static) construction, to bleed off static build-up in high flow applications and eliminate the risk of "static" burning of the core. The innercore is post-cured to enhance hose performance in extreme applications. Reinforcement of combined single plaits of small diameter, tiered, tension controlled type 304 stainless steel wire make up the braid jacket. This specially designed outer layer of braid eliminates conventional spiral wraps, reducing bulk without sacrifice of pressure capability. In larger sizes (-12 thru -24) there is an additional braid layer between the PTFE innercore and the pressure carrying outer braid.