



UNI-BRAID® R160/R165 HOSE

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
- For gaseous or high effusion applications, please consult factory.

TEMPERATURE RANGE:

- -65°F to 400°F (-54°C to 204°C) Consult factory for temperature-adjusted pressure ratings

HOSE CONSTRUCTION:

- R160/R165 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.
- This specially designed braid eliminates conventional spiral wraps, reducing weight and 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.
- R160 hose's innercore is thermally treated to enhance hose performance in extreme applications.

Titeflex R160/R165 series...The original UNI-BRAID® design that outperforms all the others. UNI-BRAID® high-pressure hose is the most economical high pressure PTFE hose product ever offered to the market. It combines long life expectancy, high durability, and proven performance for superior service and cost effectiveness over the long term.

APPLICATION ADVANTAGES:

- No Phthalate. Titeflex only uses 100% PTFE, and conductive PTFE in the liner that remains flexible and does not leach.
- Design optimized for your specific application
- Manufactured in long lengths to reduce hose costs associated with coupling hose sections
- Economical and cost effective
- Greater Flexibility: In industrial hose applications where high performance under harsh conditions is required, Titeflex UNI-BRAID® PTFE hose offers effective solutions and high value. The patented UNI-BRAID® construction features a single outer layer braid that reduces bulk while maximizing pressure capability and provides an exceptionally tight bend radius.

AVAILABILITY:

- UNI-BRAID® can be fitted and tested to your exact specification by Titeflex or by an authorized Titeflex distributor. Our distributors are selectively certified to assemble high pressure hose assemblies. Insist that your Titeflex product is assembled and supplied by a Titeflex authorized distributor.

R160/R165 HOSE

HOSE PART NUMBER	NOMINAL SIZE		NOMINAL ID	NOMINAL OD	MAX OPERATING PRESSURE† ROOM TEMP	ROOM TEMP BURST	HIGH TEMP BURST	MAXIMUM CONTINUOUS LENGTH FEET		MINIMUM BEND RADIUS	HOSE WEIGHT
	in	mm	in	in	psi	psi	psi	R160	R165	in	lb/ft
R160/R165-4"	1/4	6	.222	.390	5,000	15,000	12,000	50	50	1.50	.100
R160/R165-6"	3/8	10	.308	.490	5,000	15,000	12,000	30	50	2.50	.163
R160/R165-8"	1/2	13	.401	.615	5,000	15,000	12,000	30	50	2.87	.232
R160/R165-10	5/8	16	.495	.730	5,000	15,000	12,000	30	50	3.25	.325
R160/R165-12	3/4	19	.617	.990	5,000	15,000	12,000	30	50	3.87	.660
R160/R165-16	1	25	.867	1.270	5,000	15,000	9,000	30	50	5.00	1.020
R160/R165-20	1-1/4	32	1.118	1.660	5,000	15,000	9,000	30	30	12.00	1.850
R160-24	1-1/2	38	1.375	1.900	4,000	12,000	9,000	30	-	14.00	1.910

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

** Lengths of 75 feet for R165 Series are available upon request. Please contact a Titeflex Representative for more information.

WARNING

These products can be used to convey hazardous fluids, steam, and other dangerous materials which can cause personal injury or property damage if released through misuse, misapplication, or damaged. The user is responsible to analyze each application prior to specifying any product from this catalog. Due to the wide variety of operating conditions and applications, the user, through personal analysis and testing, is solely responsible for final product selection and meeting all performance, safety, and warning requirements. Careful selection, proper assembly and use of hose fittings and accessories is essential for the safe and warranted operation of the hose assembly.