



R272/R276 HOSE

Unmatched engineering and technical experience in the application of convoluted PTFE hose products has allowed users to consistently rely on Titeflex for dependable performance and value every time.

APPLICATIONS:

- Chemical processing
- Pulp and paper
- Foam packaging
- Turbine engine componentry
- Air compressor discharge
- Tire press

TEMPERATURE RANGE:

- -40° F to 400° F (-40° to 204° C)

Consult factory for dynamic flexing applications at temperature limits and temperature adjusted pressure rating

APPLICATION ADVANTAGES:

- No Phthalate. Titeflex only uses 100% PTFE, and conductive PTFE in the liner that remains flexible and does not leach.
- Titeflex R272/R276 hose is extremely flexible and lightweight offering an improved alternative to maximize operator handling and safety in comparison to other types of industrial hose.
- Combined with PTFE's unmatched chemical compatibility, corrosion resistance, temperature range and "non-stick" attributes, it offers a superior value.
- In addition, R276 offers a black conductive innercore for high flow rate transfer applications where elimination of static charges is required to ensure performance.

R272 HOSE CONSTRUCTION:

A white non-conductive PTFE liner, externally reinforced with PTFE impregnated fiberglass and a single steel wire braid.

R276 HOSE CONSTRUCTION:

The PTFE innercore has a precisely controlled amount of carbon black added to the PTFE innercore. This conductive PTFE core material provides a continuous conductive path to the metal end fittings to bleed off static electricity.

R272/R276 HOSE SPECIFICATIONS

HOSE PART NUMBER	NOMINAL SIZE		NOMINAL ID	NOMINAL OD	OPERATING PRESSURE	BURST PRESSURE ROOM TEMP	MAXIMUM CONTINUOUS LENGTH	MINIMUM BEND RADIUS @ ROOM TEMP	HOSE WEIGHT
	in	mm	in	in	psi	psi	ft	in	lb/ft
R272/R276-8	1/2	13	.512	.785	1,000	4,000	50	1.00	.22
R272/R276-12	3/4	19	.750	1.060	1,000	4,000	50	2.00	.29
R272/R276-16	1	25	.998	1.280	1,000	4,000	50	3.00	.41
R272/R276-20	1-1/4	32	1.239	1.525	1,000	3,600	50	6.25	.50
R272/R276-24	1-1/2	38	1.500	1.802	750	3,000	50	7.50	.62
R272/R276-32	2	51	1.982	2.305	500	2,000	50	10.00	.97

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.