

Supelcoat™ Fittings, Valves and Flexible Hoses

Inert Coated Fittings

SUPELCOAT

Airgas' advanced offering of specialty coated fittings, valves and high pressure flexible hoses are designed to prevent interaction of low concentration corrosive and volatile compounds in the calibration gas mixtures used in critical environmental testing, plus in other applications where all the sample delivery components should be totally inert.

These fittings, hoses, and valves are coated with the proprietary Supelco Supelcoat™ coating which prevents any interaction of the reactive trace gas species with the “wetted” internal surfaces. The coating prevents any adsorption or “drop out” of low concentration components such as: reduced sulfur compounds; ammonia; NO₂; HCl; or mercury. Additionally, this coating is recommended when using calibration standards for the proposed new EPA regulation including testing for formaldehyde, HF and HBr.

When these fittings with this unique coating technology is combined with our Cyclone Technology regulators with Supelcoat, the result is the optimum components for gas delivery systems for EPA Protocol gases, ug/M³ level mercury standards, HCl mixtures for MATS compliance, and in numerous other analytical applications involving volatile and corrosive components.



Design Features

- Enhances analytical applications as high accuracy, trace level, calibration gas components will not react with the regulators, valves, piping or fittings comprising the sample handling system.
- Ensures compounds within the gas are delivered without reacting with reactive metal surfaces
- Increases speed of instrument response and consistency of run-to-run data.
- High pressure flexible hoses are of an internal corrugated bellows construction and welded for leak tight operation in all gases
- Shipped bagged and ready for use

Ordering Information

Nominal	Max	Nominal	Max
Y15-4PFLEX30FMSC	Flexible hose with armor casing 30" lg. 1/4" mnpt x 1/4" fnpt Supelcoat	316 stainless steel	3500 psig
Y15-4PFLEX48FMSC	Flexible hose with armor casing 48" lg. 1/4" mnpt x 1/4" fnpt Supelcoat	316 stainless steel	3500 psig
Y15-4PFLEX72FMSC	Flexible hose with armor casing 72" lg. 1/4" mnpt x 1/4" fnpt Supelcoat	316 stainless steel	3500 psig
Y36-4DMFLSC	Multiturn packless diaphragm valve 1/4" mnpt x 1/4" fnpt long leg Supelcoat	316 stainless steel	3500 psig
Y36-4DMMSC	Multiturn packless diaphragm valve 1/4" mnpt x 1/4" mnpt Supelcoat	316 stainless steel	3500 psig
Y37-4DMFLSC	Quarter turn packless diaphragm valve 1/4" mnpt x 1/4" fnpt long leg Supelcoat	316 stainless steel	3500 psig
Y99-330CKSC	CGA 330 check valve nipple Supelcoat	316 stainless steel	3000 psig
Y99-660CKSC	CGA 660 check valve nipple Supelcoat	316 stainless steel	3000 psig
Y99-580CKSC	CGA 580 check valve nipple Supelcoat	316 stainless steel	3000 psig
Y40-20626USC	1/8" x 0.085" wall(3.18 x 2.1mm) 50 foot coil Supelcoat	304 stainless steel	3000 psig
Y40-20527USC	Tubing 1/4" x 0.209" wall(6.35 x 5.3mm) 50 foot coil Supelcoat	304 stainless steel	3000 psig
Y99-26462SC	Male connector 1/4" mnpt x 1/8" compression Supelcoat	316 stainless steel	3000 psig
Y99-26460SC	Male connector 1/4" mnpt x 1/4" compression Supelcoat	316 stainless steel	3000 psig
Y99-413915SC	Male Elbow 1/4" mnpt x 1/8" compression Supelcoat	316 stainless steel	3000 psig
Y99-413914SC	Male Elbow 1/4" mnpt x 1/4" compression Supelcoat	316 stainless steel	3000 psig
Y99-413924SC	Tee compression ferrule 1/8" tod compression Supelcoat	316 stainless steel	3000 psig
Y99-413924SC	Tee compression ferrule 1/4" tod compression Supelcoat	316 stainless steel	3000 psig

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.

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