



Double Flanged Fittings with PE Encapsulated Bolts

Increase corrosion resistance without jeopardizing bolted fitting strength by utilizing Snyder's encapsulated bolted fittings which ensure no metals come in contact with interior liquids. Available with PVC, CPVC, or PP flanges and with 316 SS, Titanium or Hastelloy encapsulated bolts.



Stainless Steel Bolted Fittings

For maximum sealing power and fitting strength, Snyder specially cast, 316 stainless steel fitting to provide long-term durability and leak resistance.

Heavy Duty Bulk Head Fittings



SIZE (IN)	BLACK PPG	NATURAL PP	PVC	CPVC	RED PVDF	NATURAL PVDF
1/2	PG7025807DT	PP7025807DT	P7025807DT	CP7025807DT	PVR7025807DT	PV7025807DT
3/4	PG7025808DT	PP7025808DT	P7025808DT	CP7025808DT	PVR7025808DT	PV7025808DT
1	PG7025809DT	PP7025809DT	P7025809DT	CP7025809DT	PVR7025809DT	PV7025809DT
1-1/4	PG7025810DT	PP7025810DT	P7025810DT	CP7025810DT	PVR7025810DT	PV7025810DT
1-1/2	PG7025811DT	PP7025811DT	P7025811DT	CP7025811DT	PVR7025811DT	PV7025811DT
2	PG7025812DT	PP7025812DT	P7025812DT	CP7025812DT	PVR7025812DT	PV7025812DT
3	PG7025814DT	PP7025814DT	P7025814DT	CP7025814DT	PVR7025814DT	PV7025814DT
4	PG7025816DT	PP7025816DT	P7025816DT	CP7025816DT	PVR7025816DT	PV7025816DT

Notes:

- Moulded, with double tapped NPT internal threads.
- Heavy duty bulkhead fittings feature double tapped internal NPT threads and a unique left hand self tightening nut.
- Complete with one (1) EPDM gasket (Buna-N and Viton gasketing materials available upon request). Gasket effectively seals against curved or irregular surfaces.



Universal Ball Dome Fittings

The Universal Ball Dome Fittings are "self-aligning" which allow for vertical plumbing on the dome of the tank and available in PVC or CPVC. It allows piping to be plumbed vertically and is a economical alternative to UBD flange style (no additional bolts required). Available in a variety of diameters.

Expansion Joints

Proco 260R Series Wide Arch Low Spring Rate

Proco Series 260R rubber expansion joints are specifically designed for use with plastic or FRP piping systems. They are molded wide-arch expansion joints that have lower spring forces to compress, extend, or laterally offset. The Proco Series 260R molded expansion joints can be used in circumstances where metallic hoses/expansion joints or old-design rubber expansion joints were originally used.

Features and Benefits:

- Absorption of Directional Movement
- Absorption of Vibration, Noise and Shock
- Compensation for Misalignment
- Self-Cleaning Wide Arch
- Wide Choice of Flange Construction Materials Available
- Lighter Weight

Proco 261R Series Molded Wide Arch

Proco Style 261R molded wide arch expansion joints have the lowest spring rates of any expansion joints currently on the market. They also boast low forces to deflect, and are built to withstand even the most rigorous piping system configurations.

They allow for axial compression or axial extension, and lateral deflection as well as angular and torsional movements.

PROCO STYLE 440-BD



The Proco Style 440-BD Molded Expansion Joints can be used for corrosive applications that are found in industries such as chemical-petrochemical, industrial process piping systems, power generation plants, pulp/paper plants, water and wastewater sewage, and pollution control systems. Wherever metallic joints, lap joints, or PTFE and FEP-lined rubber expansion joints were previously used, the Proco Style 440-BD can also be used.

AVAILABLE STYLES & MATERIALS

261-R*	262-R*	PROCO MATERIAL CODE	COVER** ELASTOMER	TUBE ELASTOMER	MAX. OPERATING TEMP. °F (°C)	BANDING LABEL COLOR	F.S.A. MATERIAL CLASS
X	X	/BB	Chlorobutyl	Chlorobutyl	250 (121)	Black	STD. III
S	S	/EE	EPDM	EPDM	250 (121)	Red	STD. III
S	S	/NH	Neoprene	CSM	212 (100)	Green	STD. II
X	X	/NN	Neoprene	Neoprene	225 (107)	Blue	STD. II
S	S	/NP	Neoprene	Nitrile	225 (107)	Yellow	STD. II

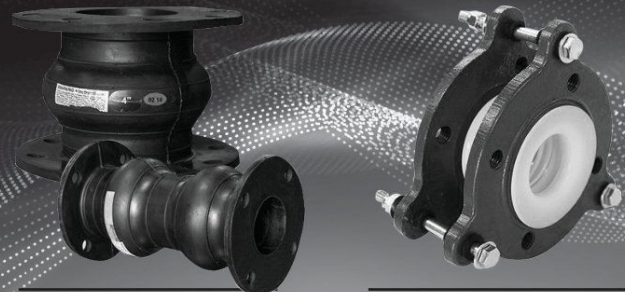
Notes:

All products are reinforced with tire cord and metal materials.

* Products mark (S) are in stock items.

** All NN, NH & NP elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F 1123-87.

EXPANSION JOINT SOLUTION FOR PLASTIC PIPING SYSTEMS



Proco Series 260R low spring rate rubber expansion joints are specifically designed for use with plastic or FRP piping systems.

440- Proco Series 440 Molded PTFE Expansion Joints can be used for corrosive applications

BOTH MODELS CAN ALSO BE USED FOR CONNECTIONS OFF TANKS

PROCO

THE EXPANSION JOINT AND CHECK VALVE PEOPLE

Features:

- Absorption of pipe-wall and fluid-borne noise
- Reduction of system stress and strain
- Isolation of mechanical vibration and motion
- Superior "Flex Life" and strength
- Tested force pound and spring rate tables
- Coated flanges and factory set limit bolts
- Chemical service capability at minimal cost
- Elimination of electrolysis
- Protection against start up and surge forces

SEE PAGE 18 FOR MORE DETAILS ON EXPANSION JOINTS

Flexible hose connection recommendations



SII strongly recommends using flexible hose, expansion joints or other provisions for all tank sidewall connections. Please see the hose connection examples. SII has developed the Flexmaster expansion joint for 2" and 3" bolted tank connections.

Ladders & Seismic Restraint Systems



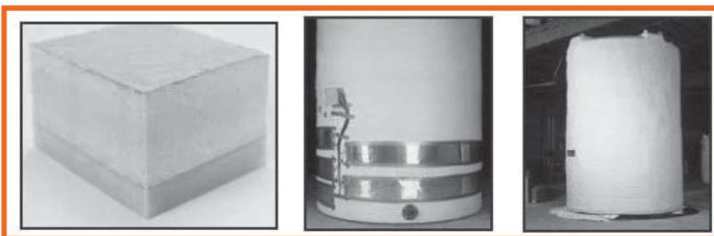
OSHA compliant ladders are available with and without cages in fiberglass and steel construction. Cable restraint systems are available that meet 150 mph wind load and IBC seismic requirements.

Variety of Manways



A wide variety of manways are available from 8" to 24" size in threaded vented styles, 12" to 24" in hinged styles, and 14" to 24" in bolted and sealed "vapor tight" styles.

Insulation and Heat Tracing

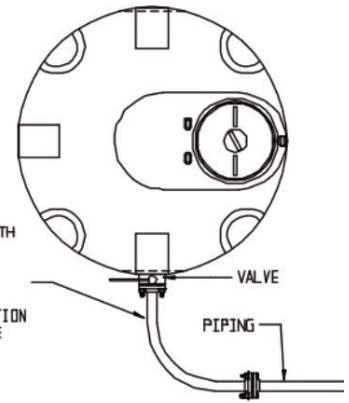


A heating element and thermostat can be installed to allow regulation of temperature. In temperature sensitive applications, Snyder tanks can be insulated with rigid urethane foam. The insulation carries an R-16 rating and has a chemical and weather resistant acrylic latex mastic coating.

FLEX HOSE - 90° EXAMPLE

NOTE: CHANGING THE ELEVATION OF THE HOSE FOR GROUND SUPPORT IS ACCEPTABLE. UNSUPPORTED HOSE DISTANCE SHOULD BE THE LESSER OF HALF THE HOSE LENGTH OR 24".

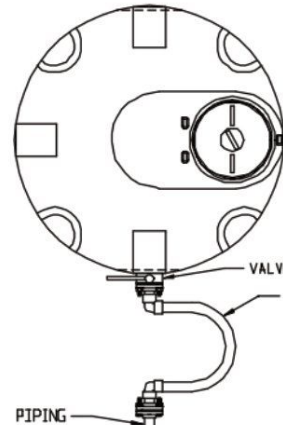
FLEX HOSE AT MAXIMUM RADIUS - HOSE MUST BE USED IN 90° ORIENTATION AND SUPPORTED AT MIDDLE WITH SUPPORT THE SAME WIDTH AS THE HOSE DIAMETER.



FLEX HOSE - 180° EXAMPLE

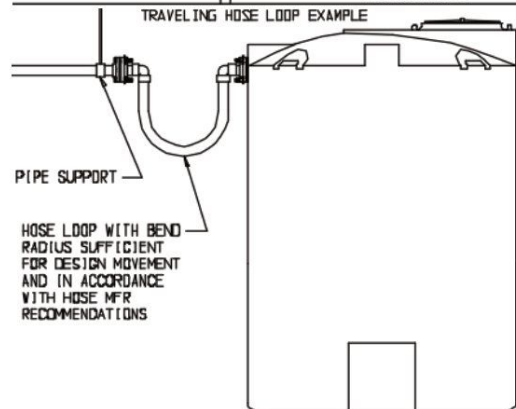
NOTE: CHANGING THE ELEVATION OF THE HOSE FOR GROUND SUPPORT IS ACCEPTABLE. UNSUPPORTED HOSE DISTANCE SHOULD BE THE LESSER OF HALF THE HOSE LENGTH OR 24".

FLEX HOSE MUST HAVE BEND RADIUS LARGE ENOUGH TO ALLOW FOR CHANGE IN TANK DIAMETER AND STILL MAINTAIN MINIMUM HOSE BEND RADIUS. FLEX HOSE MUST BE SUPPORTED IN THE MIDDLE WITH SUPPORT AT LEAST AS WIDE AS THE HOSE DIAMETER



TRAVELING HOSE LOOP EXAMPLE

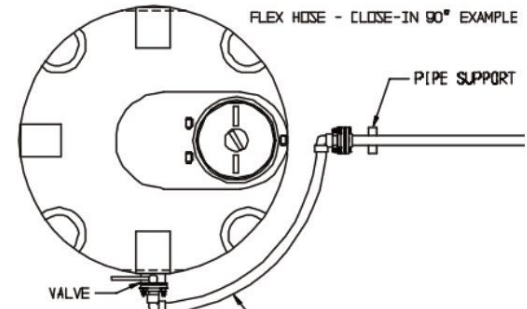
HOSE LOOP WITH BEND RADIUS SUFFICIENT FOR DESIGN MOVEMENT AND IN ACCORDANCE WITH HOSE MFR RECOMMENDATIONS



FLEX HOSE - CLOSE-IN 90° EXAMPLE

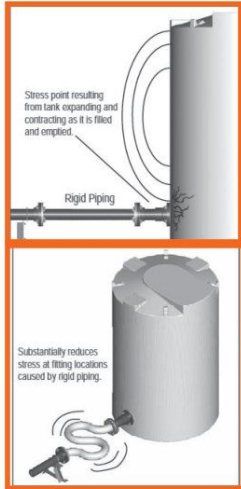
NOTE: CHANGING THE ELEVATION OF THE HOSE FOR GROUND SUPPORT IS ACCEPTABLE. UNSUPPORTED HOSE DISTANCE SHOULD BE THE LESSER OF HALF THE HOSE LENGTH OR 24".

FLEX HOSE MUST HAVE CLEARANCE TO TANK TO ALLOW FOR CHANGE IN RADIUS DUE TO FLEXURE. FLEX HOSE MUST BE SUPPORTED IN THE MIDDLE WITH SUPPORT AT LEAST AS WIDE AS THE HOSE DIAMETER



Tank Accessories

Snyder Flexmaster™



In recent years, a variety of expansion joint products have been utilized to help alleviate the stress generated at the tank and piping interface points. While some of these products can be an expensive alternative in steel tank installations, none provide the degree of expansion required in a plastic tank, which is why Snyder engineering has been compelled to develop a solution to this age-old problem.

The Flexmaster™ is a uniquely designed flexible tank connection that allows a tank's sidewall to move freely, which substantially reduces stress at fitting locations, resulting in longer, trouble free tank installations.

It's a well known fact within the tank manufacturing industry that the majority of all tank failures occur at a fitting location. This is because, the rigidity of a tank's plumbing connection apparatus typically does not allow the tank sidewall to expand and contract adequately, which creates a stress point that ultimately becomes the cause of failure at some stage within a tank's useful life.

Bottom Line, Flexmaster will increase the useful life of your company's tanks while reducing the risk of premature tank failures, which will ultimately result in more profits. Flexmaster is constructed of the same polyethylene resin as the tank, which guarantees superior chemical resistance at a lower cost than traditional expansion joints.

PART NO.	DESCRIPTION
5390100N95401L	2" Flange Connector Assembly - HDLPE
5390100N99601L	2" Flange Connector Assembly - XLPE
5390000N95401L	3" Flange Connector Assembly - HDLPE
5390000N99601L	3" Flange Connector Assembly - XLPE



Snyder Ultrasonic Level Indicator



Snyder's Ultrasonic Level Indicator allows a simple and reliable non-contact level measurement of fluids in a vertical single wall or double wall polyethylene tank.

Ultrasonic sensors transmit pulsed waves of high frequency sound. If the sound wave meets a reflective object, such as liquid, it bounces back toward the sensor. The sensor records the information and calculates the distance to the object.

Snyder's Ultrasonic Level Indicator system provides a visual display of liquid level in tank showing gallonage in measurements of hundreds of gallons along with 4-20 mA output for other alarm or control systems as well as four independent contacts capable of handling 10 amps each. Each contact can be programmed to operate in different opening and closing methods (7 modes). Contacts can be used to controls pumps, valves, alarms, etc.

Benefits

- Easy to install
- Self-contained sensor is virtually maintenance free
- Internal temperature compensation
- Provides visual level, switch, controller and transmitter capabilities
- Replacement of multi-point float, conductivity and pressure switches
- Tank inventory monitoring and logistics improvement
- Process control – filling and emptying tanks

Features

- Provides switch, controller and transmitter capabilities.
- All plastic construction with NEMA 4X rating.
- Replacement of multi-point float, conductivity and pressure switches.
- Range: 20 foot
- Dead band: 12 inches
- Signal output: 4-20 mA
- Supply voltage: 110 or 220 VAC and 24 VDC
- Contact amperage: 10 amps
- Number of contacts: 4
- Connection: 2" NPT standard
- Accuracy: 0.25% of range (with no temperature gradient)