



INNOVATIVE ENGINEERING FOR CORROSION PROTECTION



ElectroStop® Monolithic Isolation Fittings

The Industry's Dual O-Ring Seal

The ElectroStop® monolithic isolation fittings manufactured by GPT in Houston, TX will serve as a positive, leak-proof, block against the flow of electric current in all piping systems. When you bury the ElectroStop® isolation fitting you bury maintenance costs forever - an especially important feature for system operators and engineers.

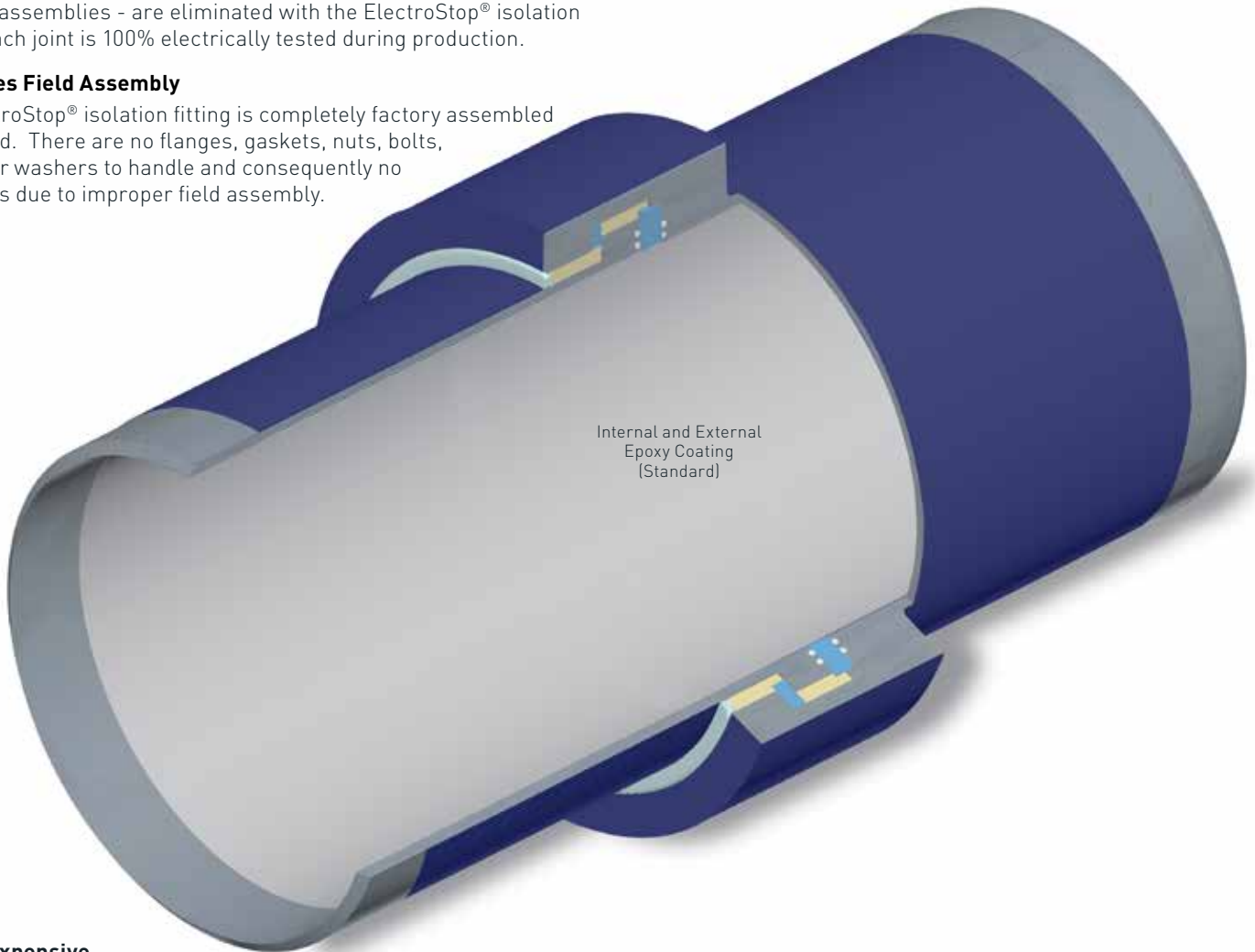
Eliminates Short Circuits

Bolts, sleeves and washers - the major source of short circuits in most isolation assemblies - are eliminated with the ElectroStop® isolation fitting. Each joint is 100% electrically tested during production.

Eliminates Field Assembly

The ElectroStop® isolation fitting is completely factory assembled and tested. There are no flanges, gaskets, nuts, bolts, sleeves or washers to handle and consequently no fluid leaks due to improper field assembly.

Steel Pipe (Standard)
(See Grade On Adjacent Charts)



Is Less Expensive

Purchase the ElectroStop® isolation fitting for less than the cost of the component parts of insulated flange assemblies in most pipe sizes. Install the ElectroStop® isolation fitting for less than the labor costs of installing an insulated flange assembly.

Is Coated Both Internally and Externally

A thermally fusion bonded epoxy is sprayed to a thickness of .010-.012" (.25 to .30mm) to within 2" (50.8mm) of each weld end. Each joint is electronically tested for coating thickness.

Is 100% Hydrostatically Tested

All ElectroStop® fittings undergo hydrostatic and cyclic pressure tests at 1.5 times rated operating pressure in accordance with the latest ANSI standards. Testing is normally conducted for 30 minutes for joints up to 6" and 60 minutes for 8" to 24" joints but can be tested per customer specifications. Pneumatic test is 10 minutes at 87 psi for all NPS and classes. A 100% inspection is performed.

GPT
an EnPro Industries company



ElectroStop® Monolithic Isolation Fittings

Is Completely Weld Inspected

All ElectroStop® fittings undergo a weld inspection with combinations of ultrasonic (UT) and magnetic particle (MT) on all welds. In addition, X-ray tests can be conducted upon request.

Manufactured In Accordance With ISO 9001:2008 Quality Assurance Control over all stages of production. Close adherence to an in-place and on going ISO 9001:2008 quality assurance program which is constantly monitored and subject to periodic audit.

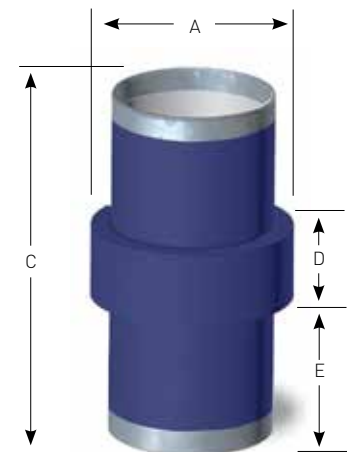
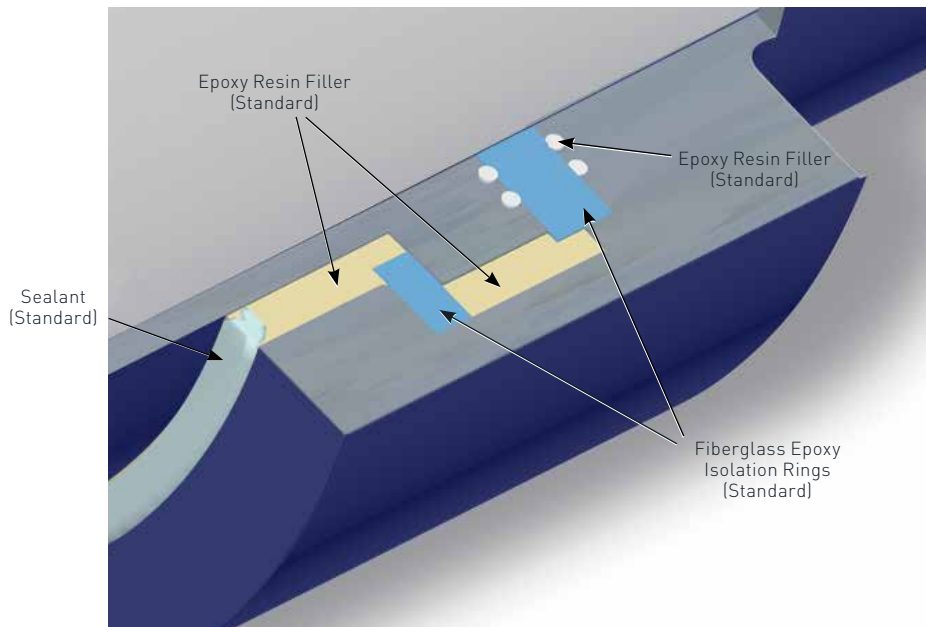
MONOLITHIC ISOLATION FITTING SPECIFICATION

Monolithic isolation fittings shall be bottleless and completely factory assembled in accordance with the appropriate requirements of ASTM, API, DIN and BS codes. All welds shall be butt weld construction. The dielectric isolation material shall be a thermosetting fiberglass epoxy material. Sealing shall be by static, self energized "O" ring seals housed in accurately machined grooves, fully protected from cavitation in full compliance with ASME design codes. Interior and exterior coating shall be a two part epoxy with a thickness of .010 to .012" (.25-.30mm) to within 2" of each end. Each unit shall be tested for Electrical (@5kv, 25 Mohm), Hydrostatic (@ 1.5 x O.P.) and Weld (Ultrasonic/Magnetic Particle/Dye Penetrant). The Monolithic Isolation Fitting shall be the ElectroStop® Isolation Fitting as manufactured by GPT.

QUALITY ASSURANCE

Each monolithic isolation fitting shall be manufactured at a facility that has a Registered ISO 9001:2008 Quality Management System. Copy of current ISO 9001:2008 Registration shall be provided with material submittal.

Visit www.gptindustries.com for a more detailed specification.



ElectroStop® Monolithic Isolation Fittings

150# ANSI CLASS (PN OR DP 25)

NOMINAL DIAMETER INCH (MM)	WALL THICKNESS INCH (MM)	PIPE GRADE	DIMENSIONAL DATA - INCHES (MM)				WEIGHT LBS. (KG)
			A	C	D	E	
1 (25.4)	0.13 (3.3)	B	2.68 (68.0)	27.50 (698.5)	2.99 (76.0)	11.94 (303.3)	6.6 (3.0)
2 (50.8)	0.15 (3.8)	B	3.86 (98.0)	27.50 (698.5)	3.15 (80.0)	11.66 (296.2)	11.4 (5.2)
3 (76.2)	0.22 (5.6)	B	4.92 (125.0)	27.50 (698.5)	3.62 (92.0)	11.50 (292.1)	24.2 (11.0)
4 (101.6)	0.24 (6.1)	B	6.10 (155.0)	27.50 (698.5)	3.84 (100.0)	11.40 (289.6)	35.9 (16.3)
6 (152.4)	0.28 (7.1)	B	8.50 (216.0)	27.50 (698.5)	5.12 (130.0)	11.10 (282.0)	65.3 (29.7)
8 (203.2)	0.32 (8.1)	B	10.59 (269.0)	27.50 (698.5)	5.75 (146.0)	10.85 (275.6)	101.2 (46.0)
10 (254.0)	0.37 (9.5)	B	12.60 (320.0)	31.50 (800.00)	6.22 (158.0)	12.70 (322.6)	151.8 (69.0)
12 (304.8)	0.41 (10.4)	B	13.54 (344.0)	39.33 (999.0)	6.30 (160.0)	16.52 (419.6)	242.0 (110.0)
14 (355.6)	0.31 (7.9)	B	16.50 (419.0)	23.62 (600.5)	7.48 (190.9)	8.07 (205.0)	220.0 (99.8)
16 (406.4)	0.34 (8.7)	B	18.82 (478.0)	35.43 (900.0)	8.27 (210.0)	13.58 (345.0)	386.9 (176.0)
18 (457.2)	0.31 (7.9)	B	20.83 (529.0)	31.50 (800.0)	8.82 (225.0)	11.34 (288.0)	338.8 (153.7)
20 (508.0)	0.37 (9.5)	B	22.83 (579.9)	39.37 (1000.0)	9.21 (234.0)	15.08 (383.0)	514.5 (233.4)
24 (609.6)	0.37 (9.5)	B	27.36 (695.0)	39.37 (1000.0)	10.79 (274.0)	14.29 (363.6)	704.0 (319.3)
26 (660.4)	0.37 (9.5)	B	28.90 (734.0)	39.37 (1000.0)	11.26 (286.0)	14.05 (356.9)	719.4 (326.3)
28 (711.2)	0.37 (9.5)	B	30.87 (784.0)	39.37 (1000.0)	11.65 (295.0)	13.95 (354.3)	783.2 (355.3)
30 (762.0)	0.37 (9.5)	B	33.07 (840.9)	39.37 (1000.0)	11.97 (304.0)	13.70 (348.8)	860.2 (390.2)
32 (812.8)	0.37 (9.5)	B	35.04 (890.0)	39.37 (1000.0)	12.36 (314.0)	13.50 (343.0)	939.4 (426.1)
36 (914.4)	0.37 (9.5)	B	38.98 (990.0)	47.24 (1199.9)	12.99 (330.0)	17.12 (434.8)	1174.8 (532.9)

NOTE: Pipe grade B stocked, other 150# pipe grade made to order.

150# ANSI CLASS (PN OR DP 25)

150# ANSI PRESSURE RATING	285psi
CONTINUOUS OPERATING PRESSURE	355psi
TEST PRESSURE	540psi
TEMPERATURE², °F (°C) RANGE	
Minimum	14 (-10)
Maximum	248 (120)
ELECTRICAL RESISTANCE (DRY AIR)	25 Mohms @ 1kv D.C.
BREAKDOWN VOLTAGE (DRY AIR)	5kv @ 50Hz for 1 minute

NOTE: High pressure class monolithic isolation joints available upon request.

ElectroStop® Monolithic Isolation Fittings

300# AND 400# ANSI CLASS (PN OR DP 64)

NOMINAL DIAMETER INCH (MM)	WALL THICKNESS INCH (MM)	PIPE GRADE	DIMENSIONAL DATA - INCHES (MM)				WEIGHT LBS. (KG)
			A	C	D	E	
1 (25.4)	0.13 (3.3)	B	2.99 (75.9)	27.50 (698.5)	3.62 (92.0)	11.94 (303.3)	9.2 (4.2)
2 (50.8)	0.15 (3.8)	B	3.78 (96.0)	27.50 (698.5)	3.62 (92.0)	11.63 (295.4)	13.2 (6.0)
3 (76.2)	0.22 (5.5)	B	4.89 (127.0)	27.50 (698.5)	3.93 (100.0)	11.50 (292.1)	25.5 (11.6)
4 (101.6)	0.24 (6.1)	B	6.14 (156.0)	27.50 (698.5)	4.41 (112.0)	11.40 (289.6)	37.2 (16.9)
6 (152.4)	0.28 (7.1)	B	8.50 (216.0)	27.50 (698.5)	5.51 (140.0)	11.00 (279.4)	68.2 (31.0)
8 (203.2)	0.32 (8.1)	X52	10.63 (270.0)	27.50 (698.5)	6.30 (160.0)	10.60 (269.2)	127.6 (58.0)
10 (254.0)	0.37 (9.5)	X52	13.86 (352.0)	31.50 (800.0)	7.09 (180.0)	12.20 (309.9)	202.8 (92.0)
12 (304.8)	0.41 (10.4)	X52	15.91 (404.0)	39.33 (999.9)	8.03 (204.0)	15.67 (398.0)	319.0 (145.0)
14 (355.6)	0.37 (9.3)	X52	17.64 (448.0)	31.50 (800.0)	8.43 (214.0)	11.54 (293.0)	338.8 (153.7)
16 (406.4)	0.44 (11.2)	X52	19.49 (495.0)	39.37 (1000.0)	9.21 (234.0)	15.08 (383.0)	524.7 (238.0)
18 (457.2)	0.47 (12.0)	X52	21.50 (546.0)	31.50 (800.0)	10.24 (260.0)	10.63 (270.0)	519.2 (235.5)
20 (508.0)	0.50 (12.7)	X52	23.82 (605.0)	47.24 (1200.0)	10.79 (274.0)	18.22 (463.0)	778.2 (353.0)
24 (609.6)	0.50 (12.7)	X52	27.76 (705.0)	47.24 (1200.0)	12.76 (324.0)	17.24 (438.0)	998.7 (453.0)
26 (660.4)	0.56 (14.2)	X52	29.76 (756.0)	39.37 (1000.0)	13.23 (336.0)	13.07 (332.0)	1062.6 (482.0)
30 (762.0)	0.63 (16.0)	X52	34.61 (879.0)	47.24 (1200.0)	14.80 (376.0)	16.22 (412.0)	1676.4 (760.4)
36 (914.4)	0.75 (19.0)	X52	40.59 (1031.0)	51.18 (1300.0)	17.32 (440.0)	16.92 (429.8)	2481.6 (1125.7)

NOTE: Larger nominal pipe size monolithic isolation joints available upon request.

300-400# ANSI CLASS (PN OR DP 64)

300# ANSI PRESSURE RATING	740psi
400# ANSI PRESSURE RATING	990psi
CONTINUOUS OPERATING PRESSURE	355psi
TEST PRESSURE	1,500psi
TEMPERATURE², °F (°C) RANGE	
Minimum	14 (-10)
Maximum	248 (120)
ELECTRICAL RESISTANCE (DRY AIR)	25 Mohms @ 1kv D.C.
BREAKDOWN VOLTAGE (DRY AIR)	5kv @ 50Hz for 1 minute

NOTE: High pressure class monolithic isolation joints available upon request.

ElectroStop® Monolithic Isolation Fittings

600# ANSI CLASS (PN OR DP 100)

NOMINAL DIAMETER INCH (MM)	WALL THICKNESS INCH (MM)	PIPE GRADE	DIMENSIONAL DATA - INCHES (MM)				WEIGHT LBS. (KG)
			A	C	D	E	
1 (25.4)	0.13 (3.3)	B	2.99 (75.9)	27.50 (698.5)	3.62 (91.9)	11.94 (303.3)	9.2 (4.2)
2 (50.8)	0.15 (3.8)	B	4.33 (110.0)	27.50 (698.5)	4.25 (108.0)	11.63 (295.4)	16.7 (7.6)
3 (76.2)	0.22 (5.6)	B	5.91 (150.0)	27.50 (698.5)	4.57 (116.0)	11.50 (292.1)	33.0 (15.0)
4 (101.6)	0.24 (6.1)	B	6.89 (175.0)	27.50 (698.5)	5.12 (130.0)	11.20 (284.5)	44.0 (20.0)
6 (152.4)	0.28 (7.1)	X52	9.45 (240.0)	27.50 (698.5)	5.91 (150.0)	10.80 (274.3)	81.4 (37.0)
8 (203.2)	0.32 (8.1)	X52	11.57 (294.0)	27.50 (698.5)	7.01 (178.0)	10.25 (260.4)	138.6 (63.0)
10 (254.0)	0.36 (9.1)	X52	13.86 (352.0)	31.50 (800.0)	8.03 (204.0)	11.70 (297.2)	220.5 (100.0)
12 (304.8)	0.41 (10.4)	X52	15.91 (404.0)	39.33 (1000.0)	8.82 (224.0)	15.25 (387.4)	363.0 (165.0)
14 (355.6)	0.37 (9.4)	X52	17.83 (453.0)	31.50 (800.0)	9.84 (250.0)	10.83 (275.0)	389.4 (176.6)
16 (406.4)	0.44 (11.2)	X52	19.76 (502.0)	39.53 (1000.0)	10.79 (274.0)	14.29 (363.0)	568.8 (258.0)
18 (457.2)	0.47 (11.9)	X52	21.73 (552.0)	31.50 (800.0)	11.81 (300.0)	9.84 (250.0)	587.4 (266.4)
20 (508.0)	0.50 (12.7)	X52	23.98 (609.0)	47.24 (1200.0)	12.68 (322.0)	17.28 (438.0)	864.2 (392.0)
24 (609.6)	0.50 (12.7)	X52	29.34 (745.0)	47.24 (1200.0)	14.09 (357.9)	16.58 (421.0)	1289.6 (585.0)
26 (660.4)	0.56 (14.2)	X52	30.83 (783.0)	47.24 (1200.0)	15.20 (386.0)	16.00 (407.0)	1467.4 (665.6)
30 (762.0)	0.63 (16.0)	X52	35.71 (907.0)	51.18 (1300.0)	16.77 (426.0)	17.20 (437.0)	2151.6 (976.0)
36 (914.4)	0.75 (19.0)	X52	42.52 (1072.0)	51.18 (1300.0)	19.37 (492.0)	15.90 (403.9)	3306.6 (1500.0)

600# ANSI CLASS (PN OR DP 100)

600# ANSI PRESSURE RATING	1,480psi
CONTINUOUS OPERATING PRESSURE	1,480psi
TEST PRESSURE	2,225psi
TEMPERATURE², °F (°C) RANGE	
Minimum	14 (-10)
Maximum	248 (120)
ELECTRICAL RESISTANCE (DRY AIR)	25 Mohms @ 1kv D.C.
BREAKDOWN VOLTAGE (DRY AIR)	5kv @ 50Hz for 1 minute

NOTE: High pressure class monolithic isolation joints available upon request.

ElectroStop® Pre-Fabricated Isolation Joint

RFQ FORM

ELECTRO-STOP™ Fitting	"DUAL" O-RING SEAL ISOLATION FITTING		
Quantity			
Size - inch or DN			
ANSI/ASME Class			
Pipe Thickness - Inch (mm)			
Pups API 5L Specify Grade B, X-52, X-60, x-70 etc.			
Body ASTM A694 / EN10297-1			
Fitting Length - Inch (mm)	<input type="checkbox"/> Std Per Literature <input type="checkbox"/> Other - Specify		
Certification	ISO 10474 - EN 10204 <input type="checkbox"/> 3.1 (No Inspection) or <input type="checkbox"/> 3.2 (Inspection)		
Specification	If different from GPT standard, please provide as attachment		
Fluid - Specify			
Design Factor	Standard = 0.5 - Specify if other required		
Design Pressure psi or (Barg)	<input type="checkbox"/> psi <input type="checkbox"/> Barg	<input type="checkbox"/> psi <input type="checkbox"/> Barg	<input type="checkbox"/> psi <input type="checkbox"/> Barg
Design Temperature 14° to 248°F (-10° to 120°C)	<input type="checkbox"/> Std 14° to +248°F <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std 14° to +248°F <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std 14° to +248°F <input type="checkbox"/> Other - Specify
Coating - External	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify
Lining - Internal	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std - 2 part Epoxy .010 - .012" (.25 - .30mm) <input type="checkbox"/> Other - Specify
Cable Cleats Specify if Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Test & NDT Data Sheet			
NDE pup bevels	<input checked="" type="checkbox"/> MT <input checked="" type="checkbox"/> UT - ASME Sec. V & ASME BPV Sec. VIII		
NDE W3 Closure weld	<input checked="" type="checkbox"/> MT <input checked="" type="checkbox"/> UT - ASME Sec. V & ASME BPV Sec. VIII		
NDE W1/W2 weld	<input checked="" type="checkbox"/> MT <input checked="" type="checkbox"/> UT <input type="checkbox"/> RT - ASME Sec. V & ASME BPV Sec. VIII		
Pneumatic Air Test psi or (Barg)	<input type="checkbox"/> Std = 72 psi for 1minute <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std = 72 psi for 1minute <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std = 72 psi for 1minute <input type="checkbox"/> Other - Specify
Hydrostatic Test psi or (Barg)	<input type="checkbox"/> Std = 1.5 Operating Pressure <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std = 1.5 Operating Pressure <input type="checkbox"/> Other - Specify	<input type="checkbox"/> Std = 1.5 Operating Pressure <input type="checkbox"/> Other - Specify
Hydro-Fatigue Test	24 Cycles Std - Specify if Other		
Electric Insulation Resistance	<input type="checkbox"/> Std = >200 MΩ @ 1000 V DC <input type="checkbox"/> Other - Specify		
Dielectric Strength Test	<input type="checkbox"/> Std = 5kV A.C. 50 Hz (max leakage 3mA) (Note: Average dielectric strength > 15Kv) <input type="checkbox"/> Other - Specify		
Issued by:	Company: Name: E-mail: Phone:	Date Sent: Date Required:	

HOW TO ORDER

To order ElectroStop® monolithic isolation fittings, please indicate the following:

1. Quantity
2. Nominal Pipe Size
3. ANSI, DIN, API Pressure Class or Actual Working Pressure.
4. Pipe Grade
5. Wall Thickness
6. Temperature Limits
7. Product Conveyed
8. Contact your local distributor or GPT.

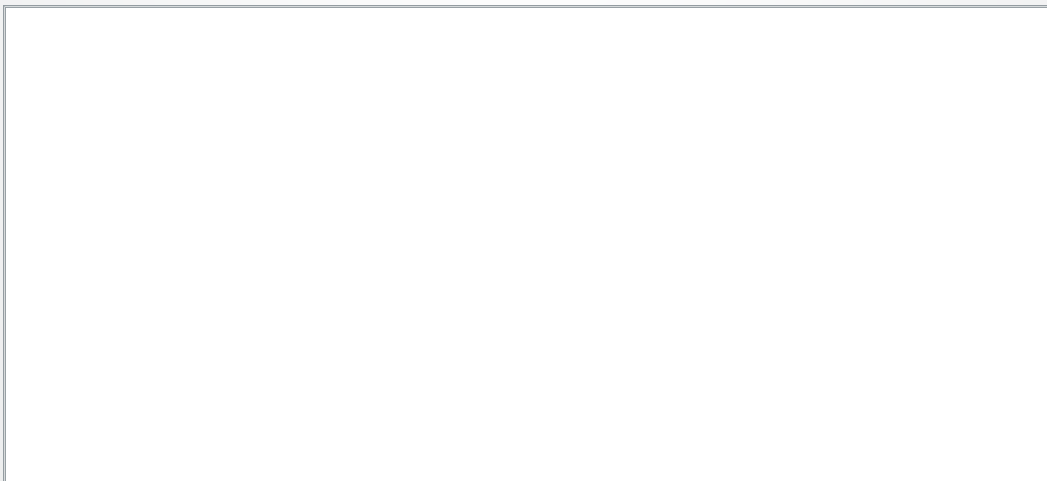
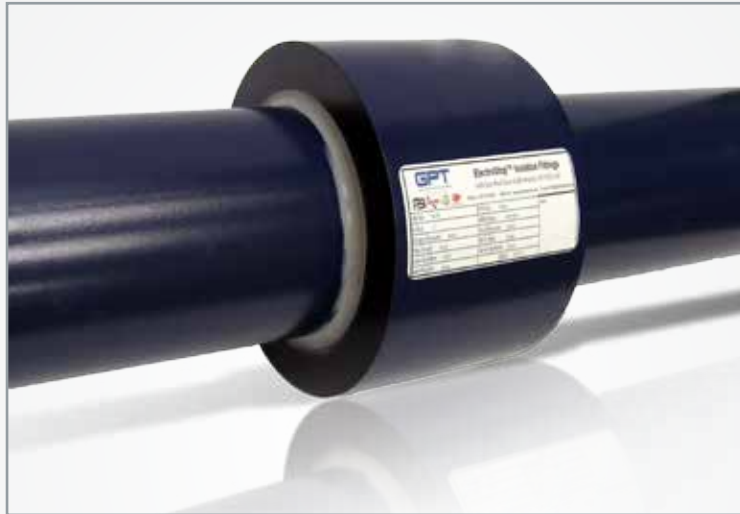
*Note: 100% X-Ray inspection available upon request at time of order.

WARRANTY

All products are warranted against failure caused by manufacturing defects for a period of one year. Any product found to be so defective and returned within one year from date of shipment will be replaced without charge.

The above warranty is made in lieu of, and we disclaim, any and all other warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose, and buyer agrees to accept the products without any such warranties.

We hereby disclaim any obligation or liability for consequential damages, labor costs or any other claims or liabilities of any kind whatsoever.



GPT 1:1



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