



# PSX

Providing products and services that protect our planet's clean water supply.

## POSITIVE SEAL GASKET SYSTEM WITH POWER SLEEVE EXPANSION



**PRESS-SEAL GASKET CORPORATION**

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# PSX

Our original PSX; POSITIVE SEAL pipe-to-manhole flexible connector system. PSX is available for 8" and larger holes to seal the most commonly used pipe types and sizes.

## PSX ADVANTAGES

- \* Meets and/or exceeds Material Specifications of ASTM C-923.
- \* Type 304 Stainless Steel Compression Power Sleeve is one piece with no welds. Made with 10 and 11 gauge steel.
- \* Highest installation pressures, 2500 to 6000 PSI. The more PSI force, the better the initial and long term seal.
- \* Gasket is made of high quality Polyisoprene rubber. Provides greater deflection capabilities and greater tear resistance.
- \* Type 304 Stainless Steel Take-Up Clamps.
- \* For use with cored holes, or our fiberglass, or Pro-Former Hole Formers.

TEST	ASTM METHOD	TEST REQUIREMENTS	TEST RESULTS
CHEMICAL RESISTANCE; 1N SULFURIC ACID 1N HYDROCHLORIC ACID	D 534, AT 22°C FOR 48 HRS	NO WEIGHT LOSS NO WEIGHT LOSS	NO WEIGHT LOSS NO WEIGHT LOSS
TENSILE STRENGTH	D 412	1200 PSI, MIN.	2600 PSI
ELONGATION AT BREAK	D 412	350%, MIN.	675%
HARDNESS	D 2240 (SHORE A DUROMETER)	±5 FROM THE MANUFACTURER'S SPECIFIED HARDNESS	45
ACCELERATED OVEN-AGING	D 573, 70± 1°C FOR 7 DAYS	DECREASE OF 15%, MAX. OF ORIGINAL TENSILE STRENGTH, DECREASE OF 20%, MAX. OF ELONGATION	-13% TENSILE CHANGE, -14% ELONGATION CHANGE
COMPRESSION TEST	D 395, METHOD B, AT 70°C FOR 22 HRS	DECREASE OF 25%, MAX. OF ORIGINAL DEFLECTION	13.20%
WATER ABSORPTION	D 471 IMMERSE 0.75 BY 2-IN. SPECIMEN IN DISTILLED WATER AT 70°C FOR 48 HOURS	INCREASE OF 10%, MAX. OR ORIGINAL BY WEIGHT	3.50%
OZONE RESISTANCE	D 1171	RATING 0	PASS
LOW-TEMP, BRITTLE POINT	D 746	NO FRACTURE AT -40°C	PASS
TEAR RESISTANCE	D 624, METHOD B	200 LBF/IN. (MIN.)	318 LBF/IN.

## PIPE INSTALLATION

1. Clean pipe and boot to ensure no dirt or foreign materials are present.
2. Clamping surface on pipe must be clean and smooth.
3. Center pipe in opening and insert until pipe breaks the inside plane of manhole.
4. Attach take-up clamp(s) and stagger screw(s) of clamp(s) around the groove of the gasket so that take-up pressure will be equalized. Make sure each clamp is completely in the correct groove.
5. Using a torque ratchet or torque wrench, gradually tighten all screw(s) of clamp(s) in an alternating pattern to 60lbs/in torque.
6. After reaching 60lbs/in torque on final screw, check all screws again to ensure equal compression of all clamps.
7. Vacuum testing shall be conducted in accordance with ASTM C-1244-02.
8. Adjust pipe to line and grade. Use proper bedding, backfill materials and techniques so that pipe deflection and deformation is minimized. Installation of the concrete structure shall be such that differential settlement between the structure and the pipeline shall be less than 10% of pipe diameter for pipes less than 20" and shall be less than 5% of pipe diameter for pipes between 20 and 60 inches in diameter.
9. **Any pipe stubs installed in the manhole must be positively restrained from movement per ASTM C-923. Press-Seal is not responsible for blow outs due to unrestrained pipe stub or future lateral connections.**

Before using the PSX-POSITIVE SEAL system for any custom applications, contact our Customer Service Department for more information.

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