

Expansion Barrel

Style W256



Patent Pending

Product Description:

Victaulic® Style W256 expansion barrels provide up to 42"/1067mm of in-line (axial) movement in a single unit. Victaulic expansion barrels eliminate the need for multiple, space consuming and expensive expansion loops.

Style W256 features triple redundant engineered seals for reliability. An external coating on the inner barrel reduces the opportunity for seizing and adds a level of wear resistance while simultaneously reducing activation forces. Specially designed integrated wipers maintain contact to shed away abrasive materials to reduce seal wear. Maximum expansion travel length available is 42"/1067 mm.

Available for 24 – 42"/600 – 1050 mm piping systems with pressures up to 300 psi/2065 kPa. Standard Style W07 AGS (Advanced Groove System) rigid couplings and AGS rings are required to connect the pipe to the barrel. The Style W07 coupling and ring will be 2"/50mm larger diameter than the mating pipe size. For details on Style W07 couplings with AGS rings refer to publication 16.11.

Additionally Style W07 couplings provide a union to allow replacement of individual pieces for maintenance.

This piece will allow for the expansion barrel to be directly installed in the pipeline while maintaining proper alignment and ensuring full movement capabilities.

Material Specifications:

Housing/Reducer/Outer Barrel/Inner Barrel: Victaulic Grade II ductile iron formulated for low temperature services (-50°F/- 45°C) conforming to ASTM A-536, Grade 65-45-12.

Coupling Gaskets: (specify choice*)

☐ **Grade "EPW" FlushSeal™ EPDM:** EPDM (White color code) Temperature range - 30°F to +230°F/-34°C to +100°C. May be specified for hot water services within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 for cold +73°F/ +23°C potable water service and ANSI/NSF 372. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES.

☐ **Grade "T" FlushSeal nitrile:** Nitrile (Orange color code). Temperature range -20°F to +180°F/-29°C to +82°C. May be specified for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services over +150°F/+66°C or for hot dry air over +140°F/+60°C.

☐ **Grade "L" FlushSeal silicone:** Silicone (Red color code). Temperature range -30°F to +350°F/-34° C to +177° C. May be specified for dry heat, air without hydrocarbons to +350°F/+177°C and certain chemical services.

* Services listed are General Service Recommendations only. It should be noted that there are services for which these gaskets are not recommended. Reference should always be made to the latest Victaulic Gasket Selection Guide for specific gasket service recommendations and for a listing of services which are not recommended.

Job/Owner

System No.	
Location	

Contractor

Submitted By	
Date	

Engineer

Spec Section	
Paragraph	
Approved	
Date	

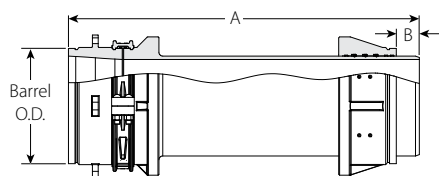
Material Specifications:

Barrel Seal:

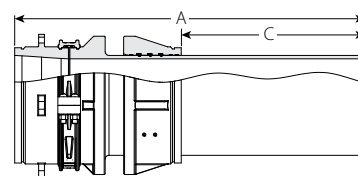
- ☐ Recommended for water, hot petroleum/ water mixtures, hydrocarbons, air with oil vapors, vegetable and mineral oils, engine oil, transmission oil from -20°F to +210°F/-29°C to +98°C.

* Services listed are General Service Recommendations only. It should be noted that there are services for which these gaskets are not recommended. Reference should always be made to the latest Victaulic Gasket Selection Guide for specific gasket service recommendations and for a listing of services which are not recommended.

Dimensions:



Fully Expanded



Fully Contracted

Nominal Size inches mm	Mating Pipe Outside Diameter inches mm	Style W07 Coupling ² inches mm	Dimensions L - Length (ref.) ¹			Approximate Weight lbs. kg
			A	B	C	
			E - E	Compressed	Expanded	
24 600	24.000 609.6	26.000 60.4	91.00 2311	6.00 152	48.00 1219	3300.0 1496.9
26 650	26.000 660.4	28.000 711.2	91.00 2311	6.00 152	48.00 1219	3800.0 1723.7
28 700	28.000 711.2	30.000 762.0	91.00 2311	6.00 152	48.00 1219	4000.0 1814.4
30 750	30.000 762.0	32.000 812.8	92.00 2337	6.00 152	48.00 1219	4300.0 1950.5
32 800	32.000 812.8	34.000 865.0	93.00 2362	6.00 152	48.00 1219	5200.0 2358.7
36 900	36.000 914.4	38.000 965.2	95.00 2413	6.00 152	48.00 1219	6200.0 2812.3
42 1050	42.000 1066.8	44.000 1150.0	98.00 2489	6.00 152	48.00 1219	8300.0 3764.9

¹ Dimensions may vary slightly due to tolerances.

² Standard Style W07 AGS rigid couplings are required to be 2"/50mm larger diameter than the mating pipe size to connect the barrel to the rest of the system. For details on Style W07 couplings with AGS rings refer to publication 16.11.

Style W256 Numbering Chart

		W	360	256	O	E	A
Type	Size	Style	Lining	Coupling Gasket	Pipe Wall Thickness		
W	240	256	0 - Unlined	T - Nitrile	A - 0.375"		
	260		9 - Other	E - EPDM	B - 0.500"		
	280			L - Silicone	C - 0.625"		
	300			9 - Other	D - 0.750"		
	320				9 - Other		
	360						
	420						

Installation

For installation instructions, refer to publication I-W256 included with each shipment. Installation instructions are also available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Trademarks

Victaulic is a registered trademarks of Victaulic Company.