

Aqua-Shield™ AQW-FPK Selection Guide

Flange Protection Kit with Snap-Fit Closure for Water Pipelines

The product selection chart shown here is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

Product Selection Guide

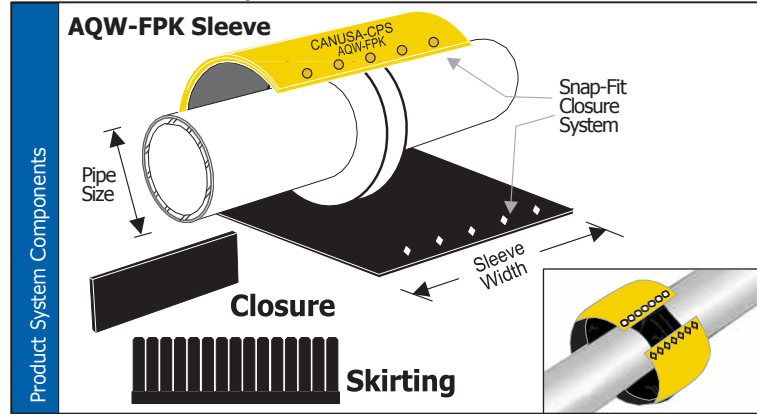
Available Sizes and Dimensions	Pipe Size ϕ mm (in)	Max. Flange ϕ mm (in)	AQW-FPK Sleeve	Size Range (mm) supplied/recovered	Pin to Pin Length mm (in)
	450 (18)	635 (25)	AQW-FPK 735/260-860 BK	735/260	2310 (90.9)
	510 (20)	700 (27½)	AQW-FPK 800/280-860 BK	800/280	2515 (99.0)
	610 (24)	810 (32)	AQW-FPK 915/325-860 BK	915/325	2875 (113.2)
	760 (30)	985 (38¾)	AQW-FPK 1085/380-860 BK	1085/380	3410 (134.3)
	915 (36)	1170 (46)	AQW-FPK 1270/445-860 BK	1270/445	3990 (157.1)
	1060 (42)	1345 (53)	AQW-FPK 1450/510-860 BK	1450/510	4560 (179.5)
	1220 (48)	1510 (59½)	AQW-FPK 1615/570-860 BK	1615/570	5075 (199.8)
	1370 (54)	1680 (66¼)	AQW-FPK 1785/625-860 BK	1785/625	5610 (220.9)
	1525 (60)	1855 (73)	AQW-FPK 1955/685-860 BK	1955/685	6145 (241.9)
1675 (66)	2035 (80)	AQW-FPK 2135/750-860 BK	2135/750	6710 (264.2)	

* For smaller pipe sizes, see Canusa High Shrink Product Data Sheet or consult Canusa representative.

Typical Product Properties

Test Name	Test Standard	Unit	Typical Result
Softening Point	ASTM E28	°C (°F)	89 (192)
Tensile Strength	ASTM D638	psi	2900
Elongation	ASTM D638	%	700
Hardness	ASTM D2240	Shore D	46
Volume Resistivity	ASTM D257	ohm-cm	10 ¹⁷
Dielectric Strength	ASTM D149	V/mil	700
Water Vapour Transmission	ASTM E96	g/h/m ²	< 0.01
Adhesion to Steel	ASTM D1000	pli	7
Low Temperature Flexibility	ASTM D2671C	°C (°F)	-20 (-4)
Impact	ASTM G14	in-lbs	50

Product Components



Size Selection

Choose your sleeve based on the maximum flange outer diameter

The diagram shows a cross-section of a pipe with a flange. The pipe diameter is labeled as 457 mm and the flange diameter is labeled as 635 mm.

Example:
If the sleeve needs to protect a ϕ 450mm (18") flange joint with a flange diameter of 635mm,(25") and a pipe diameter of 457mm (18")
You would need a AQW-FPK with a supplied diameter that is at least 75mm larger than the flange ϕ and recovers at least 75mm less than the pipe ϕ . Thus, an AQW-FPK 735/260 is required.

How To Order:

Dimensions & Ordering Info	AQW-FPK 735/260-860 BK	Standard Ordering Options
		AQW-FPK
	Colour ▶	BK-Black
	Sleeve Width ▶	860mm (34")
	Supplied/Recovered ▶	735mm / 260mm (28.9" / 10.2")
	Adhesive (thickness as supplied) ▶	1.1 mm (44 mils)
Backing (thickness as supplied) ▶	0.8 mm (32 mils)	
Configuration ▶	AQW-FPK - Flange Protection Kit	

The above represents standard ordering options. Consult your Canusa representative for any unique project requirements.



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