

Shoreline Technology

Wide-Arch Rubber Expansion Joint

MR9000



Features

The MR9000 wide arch expansion joint is interchangeable and replaces handmade spool type. There is no metal reinforcing imbedded in the carcass. In addition pressure is contained by using an integral sleeve on the back-up flange. The arch is much wider than that of a conventional joint, which provides greater movement. It is also available with a filled arch that reduces movement by 50%. Flat face flanges internal with the body mate to 125/150# flanges.

Application

Color Code	Inner Material	Cover Material	Application
Blue	Neoprene	Neoprene	Excellent Aging resistance, for alkaline and acid salt solutions and aldehydes.
Red	EPDM	EPDM	Higher temp. good ozone resistance, resilience, bend easier lower temp, but not suitable for oils.
Black	Butyl	Butyl	Lower impermeable; resistance offer to ozone, weather, abrasion, chemical.
Yellow	Nitrile	Neoprene	Recommend for oils, greases, petrol, fats, glycols, alcohols, ethers and gas.
White	Nitrile	Nitrile	For drinking water or food grade white color quality up to 150 psi/10bar at 158°F/70°C
Green	Hypalon	Hypalon	Ozone resistance sunlight stable, for strong acids, alkalis and chemicals.

Diameter		Neutral Length (Inch)	Allowable Movement				Pressure	
Model MR	(inch)		Axial Compression (in.)	Axial Extension (in.)	Lateral Deflection (in.)	Angular Deflection (deg.)	Positive ¹ (psig.)	Negative ² (in.Hg)
9020	2"	6	0.5	0.38	0.5	15	150	15
9025	2-1/2"	6	0.5	0.38	0.5	15	150	15
9030	3"	6	0.5	0.38	0.5	15	150	15
9040	4"	6	0.5	0.38	0.5	15	150	15
9050	5"	6	0.5	0.38	0.5	15	150	10
9060	6"	6	0.63	0.38	0.5	15	150	10
9080	8"	6	0.63	0.38	0.5	15	150	10
9100	10"	8	0.63	0.38	0.5	15	150	10
9120	12"	8	0.63	0.38	0.5	15	150	10
9140	14"	8	0.63	0.5	0.75	15	130	10
9160	16"	8	0.75	0.5	0.75	15	110	10
9180	18"	8	0.75	0.5	0.75	15	110	10
9200	20"	8	0.75	0.5	0.75	15	100	10
9240	24"	8	0.75	0.5	0.75	15	100	10

FOR PRODUCT SELECTION, PLEASE CONTACT US FOR PROFESSIONAL ADVICE.

Note:

1: The pressure rating is at 175°F. As Temperature Increases, the pressure rating is reduced.

2: For vacuum application, please contact us for professional advice. Negative pressure rating is valid if and only if vacuum ring is installed.