



DEUBLIN

1109 Series Pop-Off® Rotor-Mounted Rotary Unions for Coolant Service with unlimited Dry Running

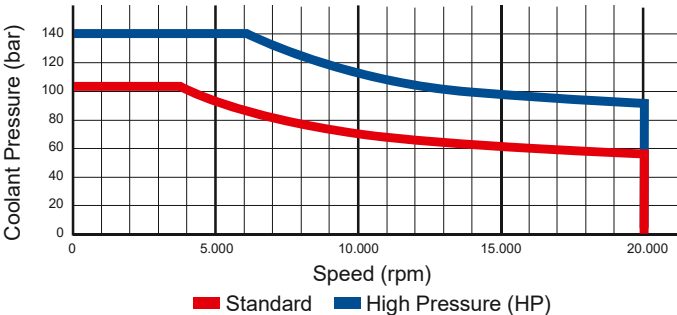
- Single passage for coolant or MQL
- Pop-Off® technology allows unlimited dry running without media pressure
- Full-flow design has no obstructions to trap swarf or debris
- Bearing-supported with threaded rotor for easy installation
- Labyrinth system and large vents to protect ball bearings
- Balanced mechanical seals made from silicon carbide for long life even under difficult operating conditions
- Aluminium housing, endcap anodised resists corrosion

Operating Data

Media	Water-based Coolant		
	MQL (oil mist) up to 10 bar (145 psi)		
Filtration	ISO 4406:2017 Class 17/15/12, max. 60 micron		
Max. Speed	20.000 min ⁻¹	20,000 rpm	
Max. Pressure	see chart		
Max. Flow	82 l/min	21.6 gpm	Standard
	24,3 l/min	6.4 gpm	High Pressure (HP)
Max. Temperature	71 °C	160 °F	



NO COMPRESSED AIR
WITH ROTATION



Axial Connection						Radial Connection						
	Ordering Number	B Supply Connection	C Overall Diameter	D Overall Length	P Drain Size Ø (3 x 120°)	A Rotor Connection	E Rotor Length	F Thread Length	G Bore Diameter	H Across Flats	I Pilot Diameter	M Pilot Length
Standard	1109-010-165	3/8 NPT Radial	53	135	1/4 NPT	5/8-18 UNF LH	30	11	9	24	16.649 / 16.645	5
	1109-011-165	3/8 NPT Axial	53	129	1/4 NPT	5/8-18 UNF LH	30	11	9	24	16.649 / 16.645	5
	1109-020-188	G 3/8 Radial	53	135	G 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-021-188	G 3/8 Axial	53	129	G 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-040-188	3/8 PT Radial	53	135	1/4 PT	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-041-188	Rc 3/8 Axial	53	129	Rc 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
HP	1109-023-212	G 1/4 Radial	53	135	G 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-024-212	G 1/4 Axial	53	129	G 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-043-212	Rc 1/4 Radial	53	135	Rc 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1109-044-212	Rc 1/4 Axial	53	129	Rc 1/4	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5