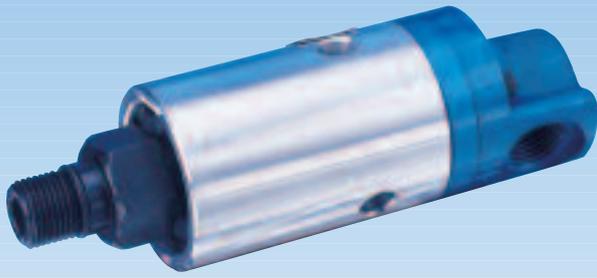


# DEUBLIN

## 1108 Series "Closed Seal" Rotating Unions for Continuous Coolant Service

- Single passage for coolant or MQL
- Closed seals for transfer line and similar applications
- Full-flow design has no obstructions to trap chips or debris
- Bearing-supported with threaded rotor for easy installation
- Dual ABEC 7 (ISO class P4) angular contact ball bearings
- Labyrinth system and large vents to protect ball bearings
- Balanced mechanical seals made from silicon carbide for long life even under difficult operating conditions
- Anodized aluminum housing resists corrosion

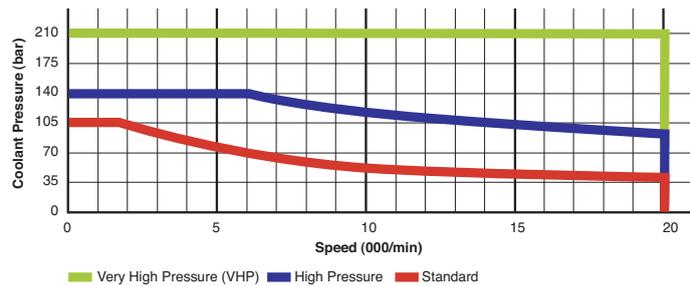


### Operating Data

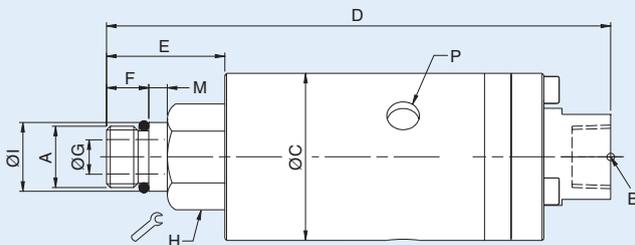
Media	Water-based Coolant MQL (oil mist) up to 10 bar (145 psi)		
Filtration	ISO 4406 Class 17/15/12, max. 60 micron		
Maximum Speed	20,000 min <sup>-1</sup> 20,000 rpm		
Maximum Pressure	See chart		
Maximum Flow	82 l/min	21.6 gpm	Standard
	24.3 l/min	6.4 gpm	High Pressure
	2.7 l/min	0.7 gpm	Very High Pressure (VHP)
Maximum Temperature	71°C	160°F	



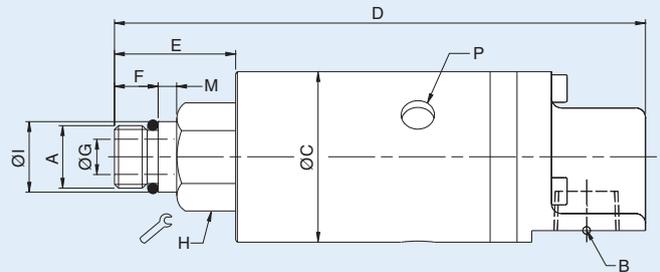
**DO NOT RUN DRY**



### Axial Connection



### Radial Connection



	Ordering Number	B Supply Connection	C Overall Diameter	D Overall Length	P Vent Size (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	1108-002-102	3/8" NPT Axial	44	132	9	5/8"-18 UNF LH	34	14	9	15/16"	0.6555" / 0.6553"	5
	1108-002-153	3/8" NPT Axial	44	132	9	M16 x 1.5 LH	31	11	9	24	17.993 / 17.988	5
	1108-032-153	G 3/8" Axial	44	129	9	M16 x 1.5 LH	31	11	9	24	17.993 / 17.988	5
	1108-001-102	3/8" NPT Radial	44	138	9	5/8"-18 UNF LH	34	14	9	15/16"	0.6555" / 0.6553"	5
	1108-001-153	3/8" NPT Radial	44	135	9	M16 x 1.5 LH	31	11	9	24	17.993 / 17.988	5
	1108-011-153	G 3/8" Radial	44	135	9	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
High Pressure	1108-019-107	1/4" NPT Axial	44	132	9	5/8"-18 UNF LH	34	14	9	15/16"	0.6555" / 0.6553"	5
	1108-019-212	1/4" NPT Axial	44	129	9	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1108-034-212	G 1/4" Axial	53	129	G 1/4"	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1108-058-212	G 1/4" Radial	53	135	G 1/4"	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
VHP	1108-093-559	1/4" NPT Axial	44	132	9	M16 x 1.5 LH	30	11	9	24	17.993 / 17.988	5
	1108-093-568	1/4" NPT Axial	44	132	9	5/8"-18 UNF LH	34	14	9	15/16"	0.6555" / 0.6553"	5