1090 Series Dry Running Coolant Rotary Unions

FLUIDEN
Assurance for Excellence

Special Design Features

- Self-supported rotary union
- Aluminium anodized housing to resist corrosion from media
- Stainless steel threaded rotor
- Highly precise and lubricated deep groove ball bearings for long life and stable rotation at very high speed
- Specially designed mechanical seals to sustain high pressure changes with minimum friction and wear for prolong service life
- Designed for both axial and radial application
- Available in both US and metric thread standards
- Easy installation

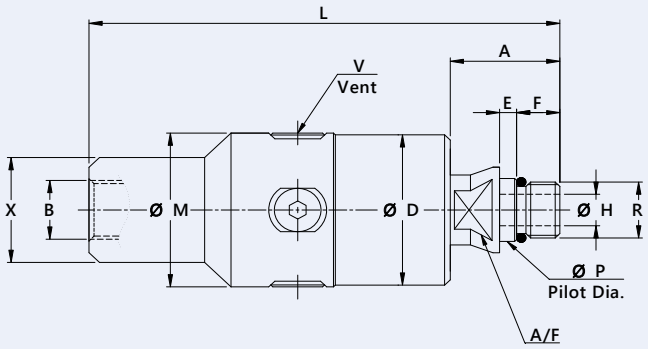
Technical Data

Max. Pressure	105 bar (1500 psi)
Max. Temperature	85°C (185° F)
Max. Rotor Speed	15,000 rpm
Max. Flow of Media	80 L / min

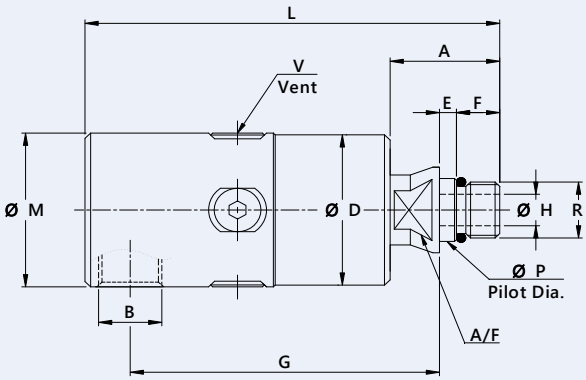
NO AIR PRESSURE WITH ROTATION

FLUIDEN 1090 series coolant rotary unions are ideal for new installations as well as directly interchangeable with any other brands of coolant rotary unions

Axial Model (180°)



Radial Model (90°)



Model No.	'B' Port Size		'R' Rotor Thread	A	F	E	L	G	Ø M	Ø D	Ø H	Ø P Pilot Dia.	V	HEX	X
1090-108-301	Axial	G 1/4" BSP	M16X1.5 - RH	29	11.5	4.5	108	92	34.4	34	5	17.993/17.988	G 1/4" BSP	---	30
1090-208-302		G 1/4" NPT	M16X1.5 - LH	29	11.5	4.5	108	92	34.4	34	5	17.993/17.988	G 1/4" BSP	---	30
1090-110-301		G 3/8" BSP	M16X1.5 - RH	29	11.5	4.5	125	109	44	43	9	17.993/17.988	G 1/4" BSP	---	24
1090-210-302		G 3/8" NPT	M16X1.5 - LH	29	11.5	4.5	125	109	44	43	9	17.993/17.988	G 1/4" BSP	---	24
1090-108-391	Radial	G 1/4" BSP	M16X1.5 - RH	29	11.5	4.5	91	66	34.4	34	5	17.993/17.988	G 1/4" BSP	17	---
1090-208-392		G 1/4" NPT	M16X1.5 - LH	29	11.5	4.5	91	66	34.4	34	5	17.993/17.988	G 1/4" BSP	17	---
1090-110-391		G 3/8" BSP	M16X1.5 - RH	29	11.5	4.5	108	82	44	34	5	17.993/17.988	G 1/4" BSP	17	---
1090-210-392		G 3/8" NPT	M16X1.5 - LH	29	11.5	4.5	110	82	44	43	9	17.993/17.988	G 1/4" BSP	17	---

Subject to technical & dimensional changes without prior notice.

Please do not operate at max. pressure combined with max. speed.

Customized models are available on request.