

2MY-S Filter

(WITH INTEGRATED 3-PHASE MOTOR)



Model Numbering System (For Metal Cutting Fluid)

TOP-2MY ① – ② **HWNPEVB** – ③ – ④

① Motor Output
200/400/
750/1500
Note: "IE3" is added to the suffix of model no. if motor is larger than 750W.

② Model
Note: Pump integrated with motor
212/216/220

③ Relief Valve Set Pressure
Note: Indicated at the end of model number in 0.1 MPa units

④ Filter Mesh Size (Available only for Element-type)
15: 150 mesh
10: 100 mesh
06: 60 mesh

If motor other than for 200V 50Hz/200-220V 60Hz is required, please specify your desired voltage and frequency.

Specifications

Model	Item	Motor speed 50Hz 1500min ⁻¹				Motor speed 60Hz 1800min ⁻¹					
		Theoretical discharge (ℓ/min)	Max. pressure for motor output (MPa)				Theoretical discharge (ℓ/min)	Max. pressure for motor output (MPa)			
			200W	400W	750W	1500W		200W	400W	750W	1500W
TOP-212HWNPEVB		18.0	0.3	1.0	2.0	2.0	21.6	–	0.8	1.6	2.0
TOP-216HWNPEVB		24.0	0.2	0.8	1.5	2.0	28.8	–	0.6	1.2	2.0
TOP-220HWNPEVB		30.0	–	0.6	1.2	1.5	36.0	–	0.5	1.0	1.5

- Test oil: ISO-VG2/Oil temperature: 40C
- Viscosity range of pumped liquid is 2-50mm²/sec. The vacuum gauge will indicate over the green zone if pumped fluid exceeds the permissible viscosity range.

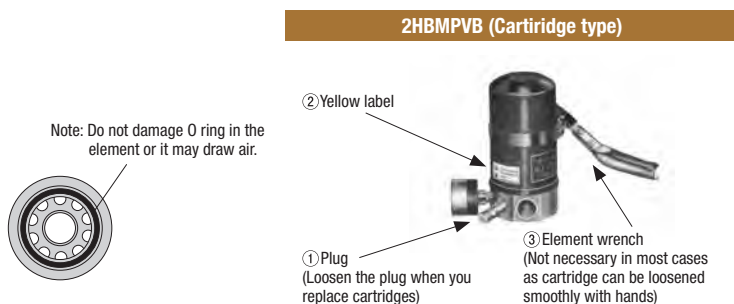
Safety precautions for the cartridge replacement

Before replacing the cartridges, make sure that there is no oil remaining inside the cartridge. You can drain the oil by loosening the air suction plug on the side of suction port (Indicated on yellow label on the case)

Note: ① Loosen the adjustment knob and hold it for 10 seconds. ② Replace the cartridges. ③ After the replacement is complete, tighten the adjustment knob back in place.

The oil remaining inside the cartridge will be released to the tank through the suction line. This process normally takes about 10 seconds before the oil is completely drained from the cartridge. Note: Make sure no check valve is installed on the suction line.

The cartridge is removable with hands by rotating it counter-clockwise and if it is still too tight, use element wrench (Available in a shop or from us). When you replace with new cartridge, tighten the cartridge onto the screw on subplate. Cartridge may draw air if it is not tight. You can tighten the cartridge more tightly by using element wrench.



When to replace cartridge and clean element

• For cartridge type, replace the cartridges when the pointer on the pressure gauge indicates the yellow zone. Cartridge is installable and removable easily with hands.

• For element type, rotate the element and remove it from the element case and clean it when the pointer on the pressure gauge indicates the yellow zone.

