

Oil Flow Switch - OFS45 series

油流量开关 - OFS45 系列



APPLICATION:

The OFS45 series oil flow switch is used to monitor the oil level in the semi-hermetic screw compressors.

FUNCTIONAL DESCRIPTION:

* The magnetic ring-containing plunger will be pushed out automatically when the flow of the liquid increases, the isolation promoting reed switch located on the magnetic ring of plunger is actuated.

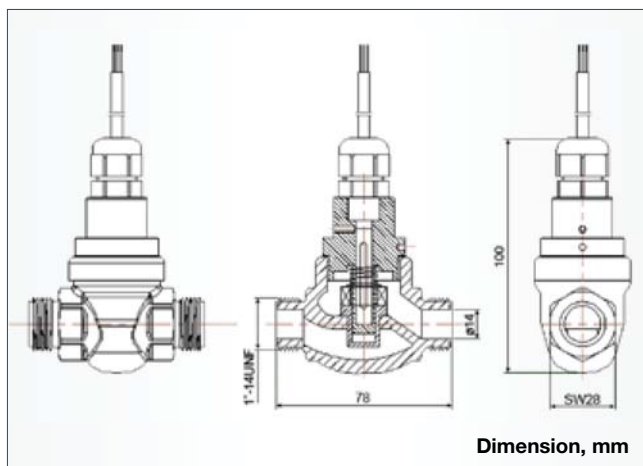
* When the liquid flow decreases, the plunger regresses under the effect of the spring, which causes the reed switch to break. The reed switch is completely isolated from the liquid within the valve.

* The permanent magnetic ring can endure high temperature, as well as substances like Freon, oil, water, etc.

SPECIFICATIONS:

Model	Switching Point, H ₂ O	
	Descending ON	Descending OFF
OFS45-025	2.70 l/m ± 3%	2.50 l/m ± 3%
OFS45-040	4.15 l/m ± 3%	4.00 l/m ± 3%
OFS45-060	6.20 l/m ± 3%	6.00 l/m ± 3%
OFS45-100	10.25 l/m ± 3%	10.00 l/m ± 3%

Item	Description
Nominal size	G1/2" DN15
Max. flow rate	20 liter/min.
Connection	1"-14UNF
Max. pressure	PN 200bar (valve body)
Medium temp.	-20°C ... +100°C
Ambient temp.	-20°C ... +70°C
Medium	Oil
Switching voltage	240VAC / 200VDC
Switching current	0.7AAC / 0.5ADC
Max. current	1A
Switching capacity	70VA / 50W
Ingress protection	IP65
Electrical connection	3x0.5mm ² , L=1m, brown blue yellow/green, SPNO
Material (contact with medium)	Brass, hard ferrite
Material (not in contact with medium)	PA, PVC
Weight	Approx. 0.6kg



Adaptor 3/8" ODS	Adaptor 1/2" ODS	Adaptor 5/8" ODS	Adaptor 7/8" ODS
<p>1"-14UNF 3/8" ODS</p>	<p>1"-14UNF 1/2" ODS</p>	<p>1"-14UNF 5/8" ODS</p>	<p>1"-14UNF 7/8" ODS</p>