

FLOW INDICATORS

At Kaydon Filtration, we are committed to bringing exceptional value to our customers, even in the simplest of solutions. Kaydon leads the industry when it comes to ensuring trouble-free operation and protecting our customers' investments. Pressure and gravity oilers offer fundamental control mechanisms to maintain proper lubrication for your equipment – lubrication that reduces friction, minimizing wear and extending the life of your equipment.

The Model 902A Pressure Feed Oiler is a combination of a metering valve and flow indicator used for the distribution and supply of lube oil under pressure to the points of use, such as bearings and gears.

The 4B Gravity Sight Feed Oiler affords a clear view and specific control of lube oil flowing by gravity to a lubrication point. This oiler provides trouble-free service with little or no maintenance required.

Kaydon Model 825 Safety Overflow Sights are installed as an accessory item for off-line (kidney-loop) oil filtration and conditioning systems. They are designed to provide convenient observation of oil flow to the system pump and maintaining a safe level of oil in an oil reservoir.

The TELEFLO® Model 816BC flow switches are simple and rugged flow switches designed for a wide range of oil and water flow applications. For more than 80 years, the TELEFLO® flow indicator and switch has provided equipment protection against the loss of flow, protecting thousands of installations against costly equipment damage due to inadequate lube oil and water flow.



TELEFLO® Model 816BC Flow Switch



The TELEFLO Model 816BC flow switches design is rugged, yet easy to use for a wide range of oil and water flow applications. For more than 70 years, the TELEFLO flow switch with flow indicator has provided equipment protection against the loss of flow, protecting thousands of critical equipment installations against costly equipment damage due to inadequate liquid flow. The family of TELEFLO Model 816BC flow switches is an easy-to-use, low-cost solution to protect critical costly equipment in the mining, pulp and paper, steel and aluminum mill, and power generation industries. The TELEFLO Model 816BC switches at the factory preset no-flow setpoint. It is designed with a pointer on a numberless dial scale providing a visual confirmation of flow. The switch can be connected to a light or a relay to trigger a low-flow or no-flow alarm. The Model 816BC is not a flow meter and only indicates flow is present.

Applications

Lube Oil Systems
Gearbox Lube Oil Circuits
Cooling Water Lines

Seal Water Lines
Machine Tool Coolants

Features

Ease of use

Heavy duty bronze construction

Fluid flow indication

NEMA 4 enclosure

Benefits

The TELEFLO Model 816BC is easy to install and can be mounted at any angle

Durable body is designed rugged and robust to withstand the toughest industrial environments and remain reliable

Easy to comprehend pointer on a numberless dial scale provides instant visual confirmation of flow

Moisture-proof and dust-proof



TELEFLO® Model 816BC Flow Switch

Specifications and Details

Inlet/Outlet Connection	Part #	Model #	NPT			
	51B22	816BC-1/2	1/2 inch			
	51B05	816BC-3/4	3/4 inch			
	51B06	816BC-1	1 inch			
	51B08	816BC-11/2	1.5 inch			
	51B09	816BC-2	2 inch			
Factory Switch Setpoint ¹ 150 SSU (ISO 32)	Part #	Model #	Oil (gpm)	Water (gpm)	Oil (lpm)	Water (lpm)
	51B22	816BC-1/2	2.5	6	9.5	23
	51B05	816BC-3/4	4.5	8	17	30
	51B06	816BC-1	7	10	27	36
	51B08	816BC-11/2	9	12	34	45
	51B09	816BC-2	11	14	42	53
Flow Rate Indicating Range ²	Part #	Model #	gpm	lpm		
	51B22	816BC-1/2	2 to 28	8 to 106		
	51B05	816BC-3/4	4 to 32	16 to 121		
	51B06	816BC-1	6 to 60	23 to 227		
	51B08	816BC-11/2	8 to 70	31 to 265		
	51B09	816BC-2	10 to 75	38 to 285		
Materials of Construction	Bronze Housing, Aluminum and Clear Acrylic Plastic Elastomers: Viton and Garlock 7022					
Dimensions and Weight	Part #	Model #	Inches (L x W x H)	lbs.	mm (L x W x H)	kgs
	51B22	816BC-1/2	3.63 x 2.94 x 3.38	5	92.2 x 74.7 x 85.8	2.5
	51B05	816BC-3/4	3.75 x 3.5 x 3.38	5	95.2 x 82.55 x 85.8	2.5
	51B06	816BC-1	3.25 x 3.5 x 3.38	8	82.5 x 82.55 x 85.8	4
	51B08	816BC-11/2	4.75 x 4.25 x 3.38	8	120.6 x 107.9 x 85.8	4
	51B09	816BC-2	6.5 x 5.0 x 4.5	13	165.1 x 127 x 114.3	8
Maximum Operating Pressure	125 psig @ 150° F 8.79 kg/cm ² @ 65° C					
Operating Temperature Range	-10° F to 200° F -25° C to 93° C					
Switch	Single-pole, double-throw (SPDT) switch Switch Actuation: 2nd graduation mark on scale (approximately) Contact Rating: 15/7 amps at 120/240 VAC Conduit Connection: 1/2 inch NPT female					

1. Flows below this setpoint may not show indication on the scale. It is not recommended to apply the 816BC for flows below the switch setpoint.

2. The flow range is an approximate range based upon 150 SSU (ISO 32) oil at 100° F. The range should be used as guide.

All design specifications are subject to change without notice.