

# BLR/OSH Helical Oil Separator With Flange

## BLR/OSH 带法兰高效离心式油分离器

### General Description:

- ◆ Helical oil separators are designed for correct separation of oil in discharge gas and ensure recycling of oil into compressor in the most effective way. The purpose is to keep carter' s oil level, minimize possible excessive oil circulation, and increase the system' s output.
- ◆ Helical type oil separators have more effective oil separation capacity compared to conventional oil separators.
- ◆ Helical type oil separators can be used in various systems and multiple compressors.
- ◆ These oil separators are designed for low-pressure systems, scroll and piston compressors.
- ◆ They must not be used for screw and rotary compressors.
- ◆ Helical oil separators are products with buoy systems, and they undergo very accurate production process.
- ◆ All active parts working in buoy system are fully made of stainless material.
- ◆ Buoy system is protected against pressure and circulation formed within the product.
- ◆ Any contamination can be easily caught by magnet in buoy part at oil output point, and thus it is ensured that valve operates in cleaner media.
- ◆ Buoy flange system may be easily dismantled and installed thanks to special foot connection.
- ◆ Inner surface of oil separator is round by stainless filter, and thus heavy oil particles collide with filters along spiral path, and separated from discharge gas.

### Connection Parts:

- ◆ We determined Input and Output connections according to volume of products.
- ◆ ODS connection is used in standard products.
- ◆ Different connection may be used upon request.

### Note

- ◆ Our firm manufactures products of any required diameter, length, and properties according to relevant standards.
- ◆ Different colors may be used upon request in number of quantities.
- ◆ Oil Separators are manufactured in accordance with CE 97/23/EC directive.
- ◆ Please, contact us for further details.



### Floating System

- ◆ Steel Flange and Bolts
- ◆ Stainless Floating and Mechanism
- ◆ Brass Pipe / Oil Return
- ◆ High Quality Magnet

### 浮球系统

- ◆ 钢法兰和螺栓
- ◆ 不锈钢的浮球和机构
- ◆ 铜管/回油
- ◆ 高质量的磁铁



### 产品简介

- ◆ 螺旋式油分将排气中的油分离出来，然后高效的流回压缩机中。目的是保持Carter的油位，减小可能有过多的油循环，增加系统输出。
- ◆ 螺旋式油分比传统式的要有效多了。
- ◆ 螺旋式的油分可以用于各种不同的系统和不同款式的压缩机中。
- ◆ 分离器适用于低压系统，涡旋和活塞压缩机。
- ◆ 螺旋油分带有浮球系统，他们有经过精确的生产过程的。
- ◆ 所有的浮球系统的部件都是不锈钢材料。
- ◆ 在油分里浮球系统通过压力和环流的形式来保护的。
- ◆ 任何在出油口位置的污染物都很容易被磁铁吸住,保证了针阀在很清洁的环境下运转。
- ◆ 浮球法兰系统能够很容易的被消除和安装在罐子，尤其是底脚连接。
- ◆ 油分内部有不锈的过滤器围绕，因此重油粒子通过旋转路径撞击过滤器，然后通过过滤原件把油从排气中分离出来。

### 分离器的连接部件

- ◆ 我们根据产品的容积决定输出和输入的接口。
- ◆ 一般是ODS连接。
- ◆ 接口可根据要求定做。

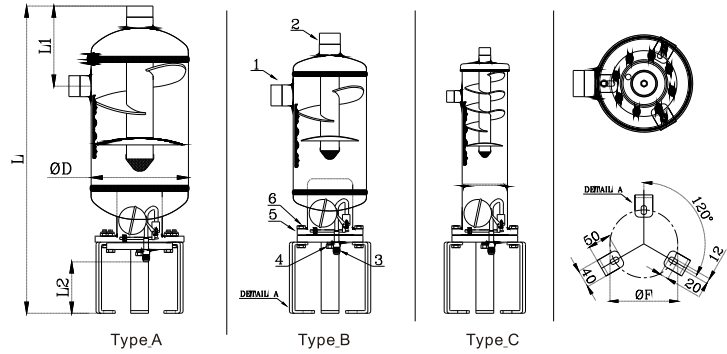
### 注:

- ◆ 我司可根据客户的合理要求定做不同尺寸的油分。
- ◆ 不同颜色的要求是根据数量而定的。
- ◆ 我们的油分是符合 CE 97/23/EC 标准的。
- ◆ 如需更多的参数，请随时与我联系。

# BLR/OSH Helical Oil Separator With Flange

## BLR/OSH 带法兰高效离心式油分离器

1. Inlet Connection  
进口
2. Outlet Connection  
出口
3. Oil Return Connection (3/8" SAE)  
回油口连接 (3/8 螺纹)
4. Service Unyon (Flug)  
堵头
5. Flange System  
法兰系统
6. Screw (M10)  
螺钉



Model 型号	Dimensions(mm) 尺寸(毫米)							Mounting Details 安装尺寸	Type	Connections 接口尺寸 Inlet & Outlet 进口/出口	CE PED 97/23/EC 33 Bar
	D	L	L1	L2	Flange	F	Screw 螺钉				
BLR/OSH-178	Φ102	580	110	114.5	Φ150*150	Φ105	8 Pcs.x M10	3 x Φ20*12mm Slots	A	7/8 ODS	CAT I
BLR/OSH-1118	Φ102	630	110	114.5	Φ150*150	Φ105	8 Pcs. x M10		A	1 1/8 ODS	CAT I
BLR/OSH-2138	Φ165	554.5	120	114.5	Φ150*150	Φ105	8 Pcs. x M10		B	1 3/8 ODS	CAT I
BLR/OSH-2158	Φ165	612.5	140	114.5	Φ150*150	Φ105	8 Pcs.x M10		B	1 5/8 ODS	CAT I
BLR/OSH-2218	Φ165	617.5	145	114.5	Φ150*150	Φ105	8 Pcs. x M10		B	2 1/8 ODS	CAT I
BLR/OSH-3158	Φ219	691	180	115.5	Φ200*150	Φ152	11 Pcs.x M10		C	1 5/8 ODS	CAT III
BLR/OSH-3218	Φ219	696	185	115.5	Φ200*150	Φ152	11 Pcs.x M10		C	2 1/8 ODS	CAT III
BLR/OSH-4258	Φ273	786	235	115.5	Φ200*150	Φ152	11 Pcs.x M10		C	2 5/8 ODS	CAT III
BLR/OSH-5318	Φ324	871	280	115.5	Φ200*150	Φ152	11 Pcs.x M10		C	3 1/8 ODS	CAT IV

### Technical Data

Working Pressure [PS]: 33 Bar  
 Test Pressure [PT]: 48 Bar  
 Allowable Temperature [TS]: Min. - 10°C/ Max.-130°C  
 Color [RAL]: 5009  
 General Tolerans [mm]: ±5

### 技术参数

工作压力 [PS]: 33 Bar  
 测试压力 [PT]: 48 Bar  
 允许温度 [TS]: Min. - 10°C/ Max.-130°C  
 颜色 [RAL]: 5009  
 常规误差 [mm]: ±5

Model 型号	Capacity In KW Of Refrigeration At Nominal Evaporator Temperature 名义工况下的制冷容量 (KW)						Maximum Discharge Volume (m3/h)最大流量
	R404A / 507		R22		R717		
	- 40°C	5°C	- 40°C	5°C	- 40°C	5°C	
BLR/OSH-178	23.0	30.0	24.6	28.2	N/A	N/A	10.2
BLR/OSH-1118	29.8	38.7	31.7	37.0	N/A	N/A	13.6
BLR/OSH-2138	42.2	52.8	44.8	49.3	59.8	63.3	18.7
BLR/OSH-2158	52.8	66.9	56.3	63.4	77.4	80.9	23.8
BLR/OSH-2218	84.4	109.0	88.0	106.0	120.0	127.0	37.4
BLR/OSH-3158	109.0	144.0	123.0	137.0	N/A	N/A	49.3
BLR/OSH-3218	109.0	144.0	123.0	137.0	N/A	N/A	49.3
BLR/OSH-4258	225.0	292.0	250.0	281.0	N/A	N/A	102.0
BLR/OSH-5318	352.0	461.0	394.0	447.0	N/A	N/A	159.8

- ◆ Form of using within the system and internal design are clearly shown in table on the side.
- ◆ 工作原理以及内部构造请看右图

