

型号代码 Type codes



FRC 型三联件由一个OFR 型过滤减压阀和一个LOE型油雾器组成，这些元件可以分别订购，分水过滤器能过滤空气中的液态油、冷凝水及杂质，对于特殊应用场合，5 μ m滤芯容易替换40 μ m的标准滤芯。
即使输入压力与压缩空气消耗产生系统波动，减压阀也能保证其设定的工作压力非常稳定。
油雾器可以均匀地向过滤空气中喷油雾，其油雾量与空气流量成正比例，并可不停气加油，可通过调节螺钉调节滴油量，通常每1000L空气中含有1-12滴就足够了。

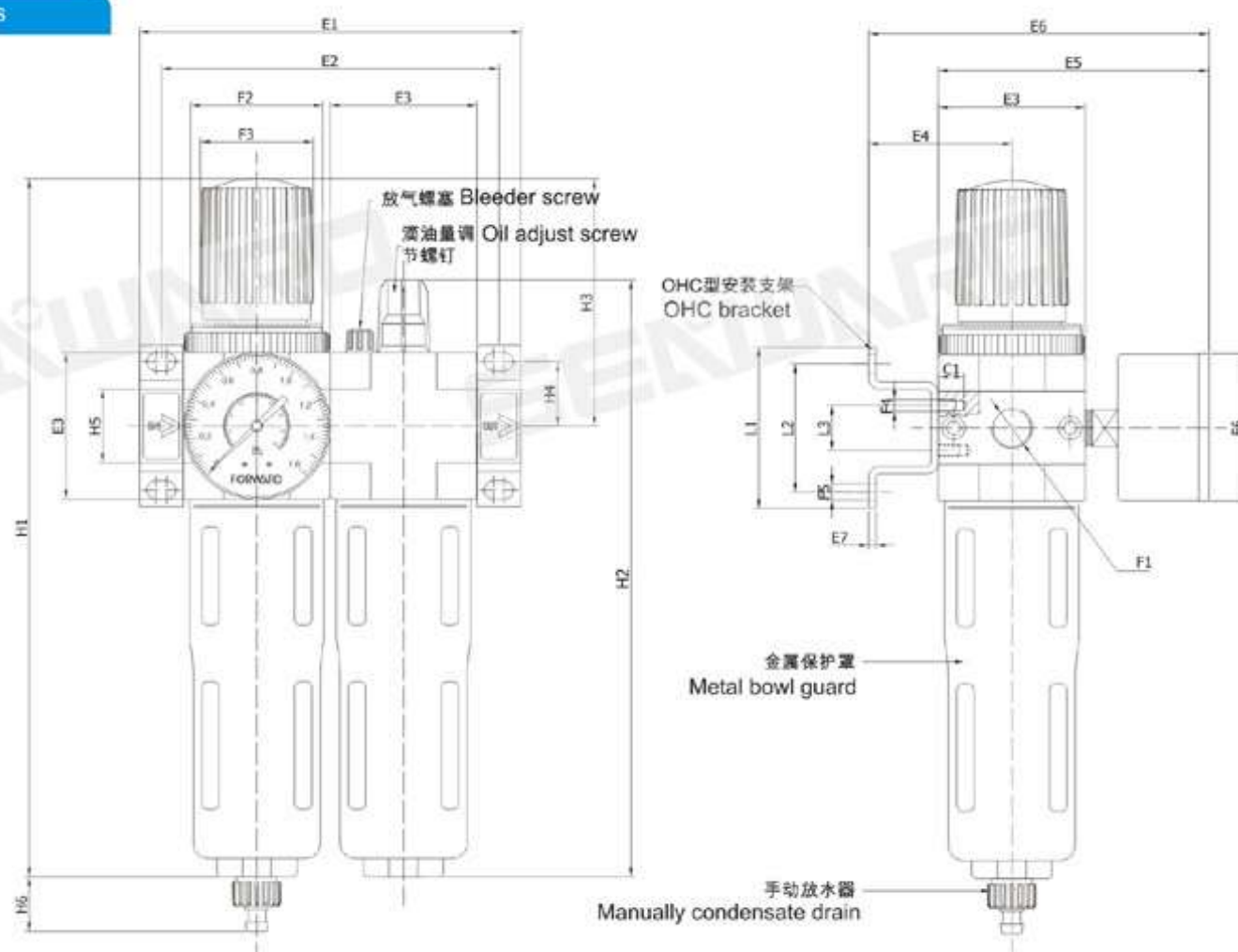
The FRC consisted of LFR and LOE,each unit can be ordered separately.
The LF with water separator cleans the compressed air of fluid oil,condensation and dirt particles.For special application,the standard 40 μ m filter element may easily be replaced by a 5 μ m filter element.
The LR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.
The proportional lubricator adds a regulated quantity of oil to the filtered air.The oil-mist content proportional to the flow and oil can be added during operation.The oil drip rate is controlled by the adjustable bolt.Normally,1to 12 drops /1000L of the air is sufficient.

FRC	-	1/4	-		-		-		-	MINI	-	
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基本功能 Basic function	
FRC	三联件 Filter, Regulator, Lubricator
接口尺寸 Connection	
1/8	G1/8
1/4	G1/4
3/8	G3/8
1/2	G1/2
3/4	G3/4
1	G1
压力调节范围 Pressure regulation range	
	0.5...12bar
7	0.5...7bar
过滤等级 Grade of Filtration	
	40 μ m
5M	5 μ m
压力表 Pressure gauge	
	带压力表 With pressure gauge
0	不带压力表 Without pressure gauge
规格 Size	
MINI	小型
MIDI	中型
MAXI	大型
排水阀 Condensate drain	
	手动 Turned manually
S	半自动 Semi-automatic
A	自动 Fully automatic

主要技术参数 General technical data									
规格 Size		MINI			MIDI			MAXI	
工作介质 Medium		压缩空气 Compressed air							
结构特点 Features of structure		带水分离器的烧结式过滤器；MINI/MIDI：膜片式减压阀；MAXI：活塞式减压阀；油雾型自动可节流式 Sintered filter with water separator; MINI/MIDI: Diaphragm type regulator; MAXI: Piston regulator; Direct constant-density lubricator							
安装方式 Mounting type		管式安装或支架安装 Pipe mounting or foot mounting							
安装位置 Assembly position		垂直方向±5° Vertical ±5°							
连接尺寸 Connection		G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
标准额定流量 Standard nominal flow rate	LFR-... (-A)	700	1000	1200	2000	2600	2600	7000	8000
	LFR-...-7- (-A)	800	1300	1500	2500	2800	2800	8500	8700
	LFR-...-5M- (-A)	600	850	1050	1700	1800	2100	6500	7200
输入压力 Primary pressure	手动排水阀 Manual condensate drain	1~16bar							
	自动排水阀 Automatic condensate drain	1.5~12bar							
工作压力 Working pressure		0.5~12bar / 0.5~7bar							
最小起雾流量 Min. Standard nominal flow rate		3 l/min			6 l/min			10 l/min	
过滤精度 Grade of filtration		40 μm / 5 μm							
最大凝度容量 Capacity of condensate fluid		22ml			43ml			80ml	
温度范围 Temperature range		0~60℃							
材料 Materials information		壳体：压铸锌；过滤杯和油杯：PC；金属保护罩：铝合金；密封：丁腈橡胶；调压手轮：POM Housing: Zinc die-casting; Filter bowl and oil bowl: PC; Metal bowl guard: Aluminium alloy; Sealing: NBR; Adjusting knob: POM							

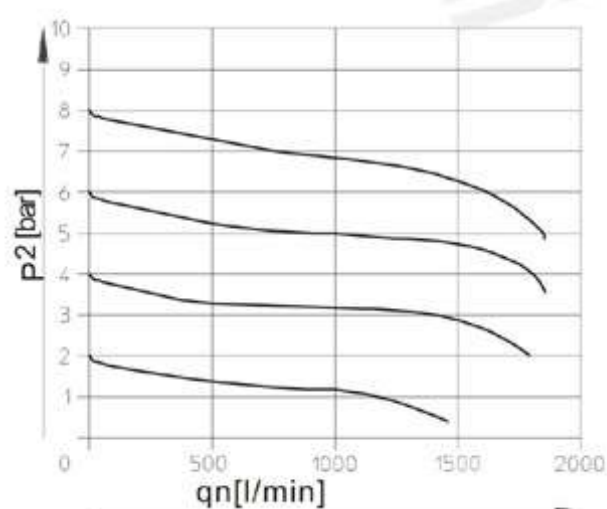
尺寸图 Dimensions



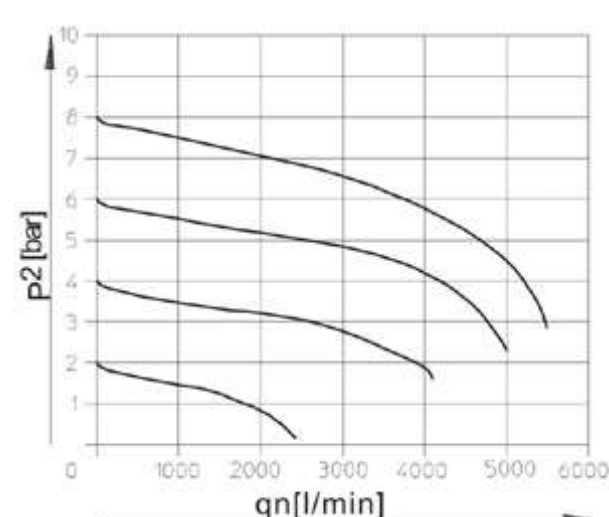
型号 Model	E1	E2	E3	E4	E5	E6	E7	F1	F2	F3?	F4	F5?	F6?	L1	L2	L3	H1	H2	H3	H4	H5	H6
FRC-...-MINI	104	92	40	39	76	95	2	G1/8,G1/4,G3/8	M36*1.5	31	M4	4.5	40	44	35	11	194	169	69	17.5	20	15
FRC-...-MIDI	140	125	55	47	93	112	3	G1/8,G1/2,G3/4	M52*1.5	50	M5	5.5	52	71	60	22	250	206	97	24.5	32	15
FRC-...-MAXI	162,182	146,157	66	53	104	124	3	G3/4,G1	M36*1.5	31	M5	5.5	63	71	60	22	252	223	80	24.5	32,40	15

标准额定流量qn和输出压力p2的关系 Standard flow rate qn as a function of the output pressure p2

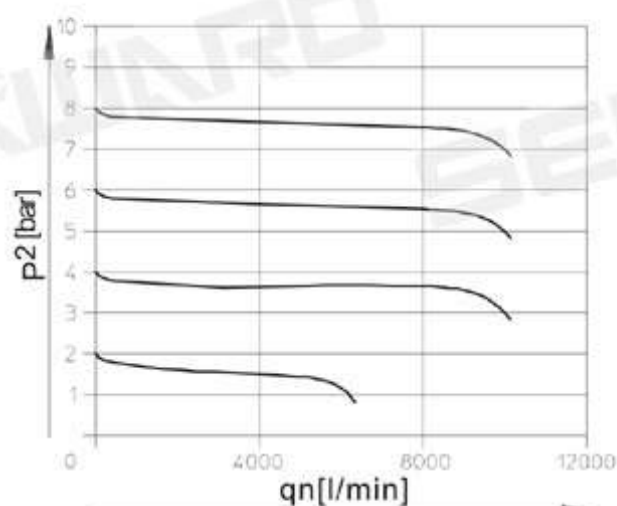
FRL-1/4-MINI



FRC-1/2-MIDI

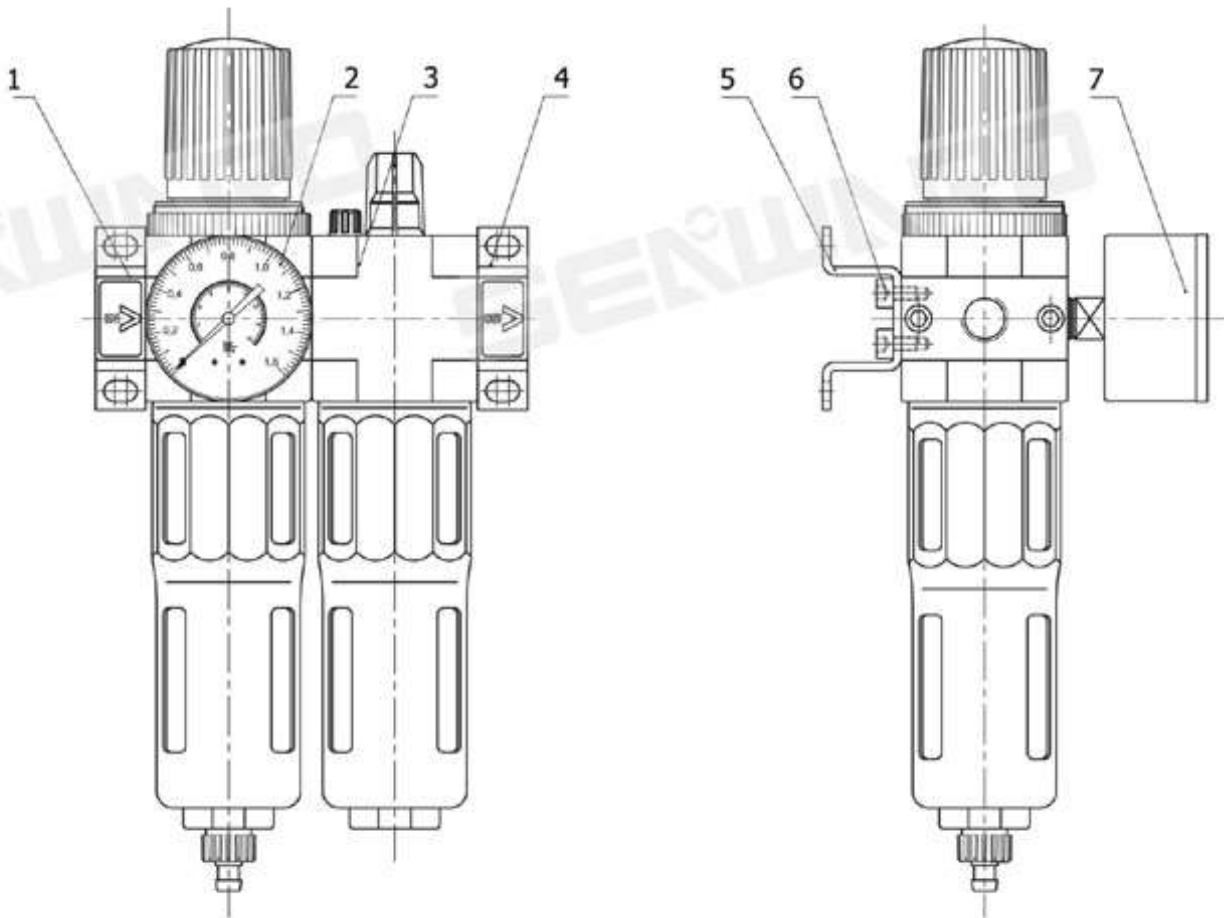


FRC-1-MAXI



*输入压力 Primary pressure: $p_1=10$ bar

内部结构图 Inner structure



序号 NO.	名称 Item	材料 Material	序号 NO.	名称 Item	材料 Material
1	分气块-IN Flange - IN	锌合金 Zinc alloy	5	支架 Bracket	SPCC
2	过滤减压阀 Filter + Regulator		6	内六角螺丝 Allen screw	S35C
3	油雾器 Lubricator		7	压力表 Pressure guage	
4	分气块-OUT Flange - OUT	锌合金 Zinc alloy			