



BF Series

Adjustable pressure gear pump



Description

- Self-priming external gear pump for small flow rates with built-in pressure regulating valve.
- Suitable for transferring fuel oils. Specially designed to work in parallel with burners.
- The series is supplied with a single motor-pump shaft, being a totally compact and monoblock construction.
- Sealing solution with seals according to DIN 6370, in NBR.

Materials

Pump casing	GG-25
Gears	Treated steel
Pump shaft	F-114
Front cover	GG-25
Sealing solution	Seal according to DIN 6370 in NBR
Motor-pump shaft bearings	Rigid ball bearings with protection and lubrication for life (2RS)

Technical data

Motor	Single/three-phase according to IEC standards
Efficiency	IE1
Tension	- Single-phase 230V $\pm$ 10% for 0,12 CV - Three-phase 230/400 V $\pm$ 10% for 0,5 CV
Poles	4
Level of protection	IP55
Insulation	F Class

Usage limits

Range of flow rates	From 20 up to 300 l/h
Range of pressures	Adjustable up to 8 bar
Max. Working pressure	12 bar
Max. Working temperature	60 °C
Max. Suction height	5 m

Connections

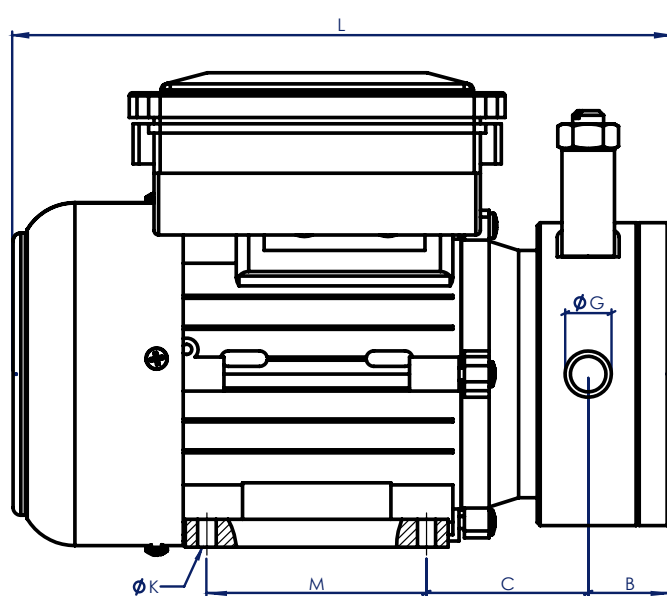
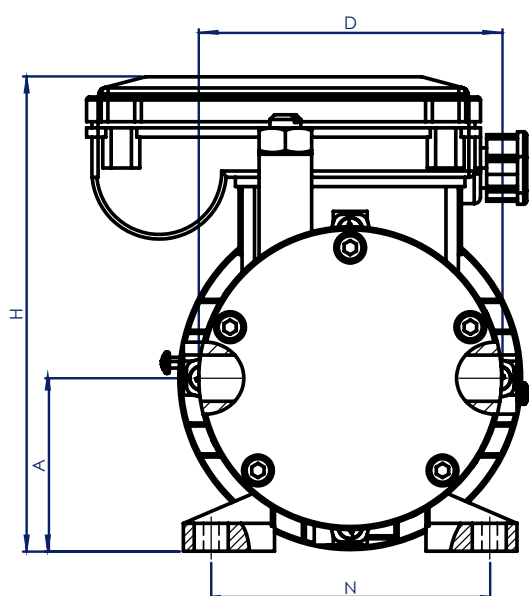
	Suction	Discharge
BF-20/35/75	3/8	3/8
BF-301	3/4	3/4



Model characteristics

Model	Power		Motor	Tension	I	n	P _{MAX.}	Flow	Weight
	HP	kW	Tipo	V	A	rpm	kg/cm ²	l/h	kg
BF-20	0,12	0,09	56	230M	0,85	1450	0-8	20	3
BF-35	0,12	0,09	56	230M	0,85	1450	0-8	30	4
BF-75	0,12	0,09	56	230M	0,85	1450	0-8	70	4
BF-301	0,5	0,37	71	230/400T	0,97	1450	0-8	300	14

Dimensions



Model	L	H	A	B	C	D	ØG	M	N	ØK
BF-20	212,5	153,5	56	26,5	52,25	83	3/8	71	90	6
BF-35	212,5	153,5	56	26,5	52,25	98	3/8	71	90	6
BF-75	212,5	153,5	56	26,5	52,25	98	3/8	71	90	6
BF-301	295	182,5	71	57	73	135	3/4	90	112	7

