

Metering pumps Model BR for high pressure

Doseuro models BR are used in the most severe duty application. Hydraulic Diaphragm pumps are the best solution when:

PUMPED LIQUID CONTAINS
SMALL AMOUNTS OF SUSPENDED
SOLID PARTICLES

DOSED MEDIUM IS TOXIC,
CORROSIVE, HAZARDOUS

LEAKAGE IS NOT ACCEPTABLE

HIGH PRESSURE IS REQUIRED



Features

- Built-in safety valve is installed in the hydraulic circuit, in order to protect the diaphragm against over pressure.
- PTFE coated diaphragm.
- Simplex and multi-head versions are available.
- NPT valve connections are standard. Flanged or other connections are available upon request.
- Cathaphoresis painting for gearbox.
- Endless screw worm gear box supported by bearings and fully lubricated in an oil bath.
- Fitted as standard with high quality 4 pole electric motor that conform to UNEL-MEC specifications, and range from 1/3 HP to 1 HP.
Standard 3 phase voltages are 208-230 / 460 - 60 Hz - phase.
Standard 1 phase voltage 230V-60 Hz
- Motors are available to meet a wide range of alternative specifications including: Explosion Proof, Division II, Atex, different voltages, and more.
- Stroke adjustment can be made with the pump at rest or in operation and it can be manual or an automatic actuator can be driven by a 4-20 mA; different BUS; pneumatically.
- Components in wetted areas are available in a wide range of materials suitable for chemical injection applications.

Applications

2

Injection of chemicals as tri-sodium phosphate, Oxygen Scavanger, Amine and much more.

Commonly used in the following applications:

- Water treatment
- Chemical industry
- Cooling towers
- Power plants

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Gal/H)		Max PSV set-up pressure (psi)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316 1/3 HP	PVC 1/3 HP		
BR125N-8	F	58	70	0.40	0.48	580.15	N.A.	1/2" NPT male	50
	C	96	116	6.34	76.08				
	B	116		0.79					
BR125N-12	I	35	42	0.71	0.85	580.15	N.A.	1/2" NPT male	50
	F	58	70	1.19	1.43				
	C	96	116	1.95	2.34				
	B	116		2.37					
BR125N-18	I	35	42	1.74	2.09	304.58	580.15	1/2" NPT male	50
	F	58	70	2.90	3.48				
	C	96	116	4.75	5.70				
	B	116		5.81					
BR125N-25	I	35	42	3.33	3.99	N.A.	319.08	1/2" NPT male	70
	F	58	70	5.54	6.65				
	C	96	116	8.98	107.78				
	B	116		11.09					
BR125N-30	I	35	42	4.76	5.71	N.A.	217.56	1/2" NPT male	70
	F	58	70	7.98	9.51				
	C	96	116	12.94	15.53				
	B	116		15.85					



METERING PUMPS
MODEL BR
FOR HIGH PRESSURE

Data is for reference only and subject to change without notice.

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Gal/H)		Max PSV set-up pressure (psi)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316		PVC			
						1/3 HP	1/2 HP	1/3 HP	1/2 HP		
BR175N-8	F	70	84	0.68	3,12	580.15		N.A.	1/2" NPT male	50	
	C	96	116	0.92	1.10						
	B	120		1.16							
BR175N-12	F	70	84	7,6	2	580.15		N.A.	1/2" NPT male	50	
	C	96	116	2.74	3.27						
	B	120		3.43							
BR175N-18	F	70	84	4.76	5.71	580.15		N.A.	1/2" NPT male	70	
	C	96	116	6.34	7.60						
	B	120		8.45							
BR175N-25	F	70	84	9.51	11.41	362,94		507.63	1/2" NPT male	70	
	C	96	116	12.94	15.53						
	B	120		16.11							
BR175N-30	F	70	84	13.47	16.17	N.A.		348.09	1/2" NPT male	70	
	C	96	116	18.22	21.87						
	B	120		23.24							
BR175N-40	F	70	84	24.30	29.16	N.A.		188.55	1/2" NPT male	90	
	C	96	116	33.29	39.94						
	B	120		41.73							
BR175N-50	F	70	84	38.04	45,65	N.A.		123.28	3/4" NPT male	120	
	C	96	116	52.04	62.45						
	B	120		65.25							



Pump model	Type	Reducer ratio (SPM)		Capacity (Gal/H)		Max PSV set-up pressure (psi)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316		PVC			
						¾ HP	1 HP	¾ HP	1 HP		
BR250N-40	F	56	67	27.73	33.29	227.71		300.23	¾" NPT male	120	
	C	96	116	47.55	57.06						
	B	112		55.47							
BR250N-50	F	56	67	43.59	52.31	143.59		191.45	¾" NPT male	120	
	C	96	116	74.49	89.29						
	B	112		87.17							
BR250N-55	F	56	67	52.83	63.40	130.53		156.64	¾" NPT male	120	
	C	96	116	90.34	108.31						
	B	112		105.66							
BR250N-65	F	56	67	73.44	88.13	N.A.		114.58	1" NPT male	160	
	C	96	116	125.74	150.89						
	B	112		146.88							

Wetted parts code for standard materials

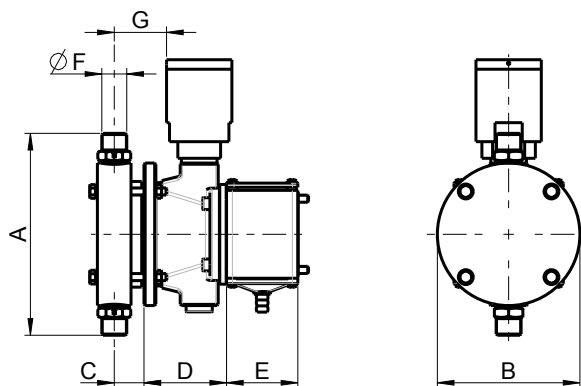
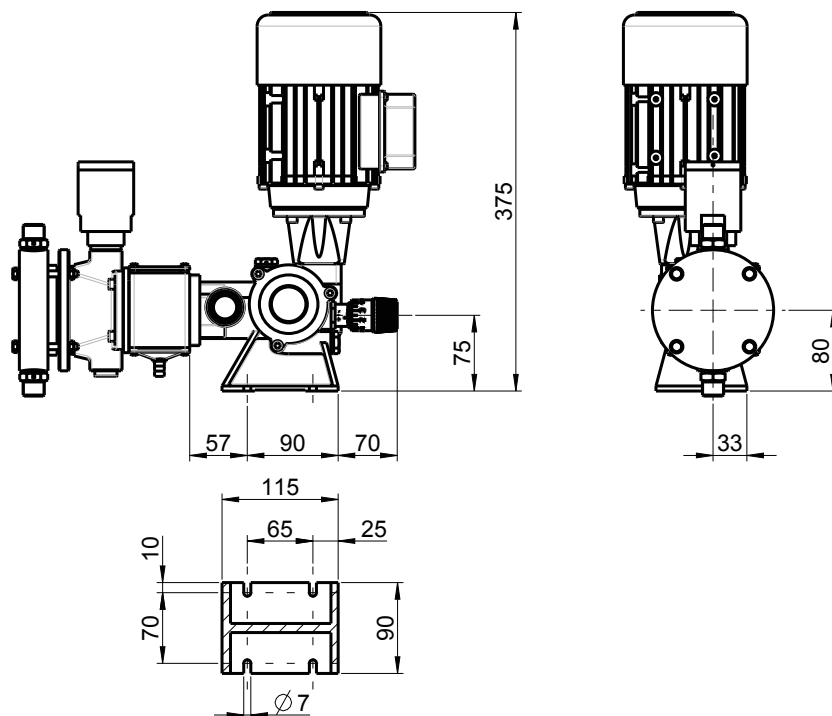
Standard construction materials (wetted parts only)					
Material codes	Pump head	Diaphragm	Valve ball	Valve seat	Valve gasket
41	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM
43	PVC	PTFE	Pyrex	PVDF	FPM
20	PP	PTFE	Pyrex	PP	FPM
38	PVDF	PTFE	Pyrex	PVDF	FPM



Dimensions

5

BR125N



Pump model	Execution Stainless Steel.							
	A	B	C	D	E	G	øF	Kg
BR 125N-08	6.14"	3.94"	0.90"	2.74"	2.36"	1.65"	1/2" Gm	11
BR 125N-12	6.14"	3.94"	0.90"	2.74"	2.36"	1.65"	1/2" Gm	11
BR 125N-18	6.14"	3.94"	0.98"	2.74"	2.36"	1.65"	1/2" Gm	11
BR 125N-25	6.69"	4.72"	0.98"	2.74"	2.36"	1.65"	1/2" Gm	12
BR 125N-30	6.69"	4.72"	0.98"	2.74"	2.36"	1.65"	1/2" Gm	12

Dimensions in Inches



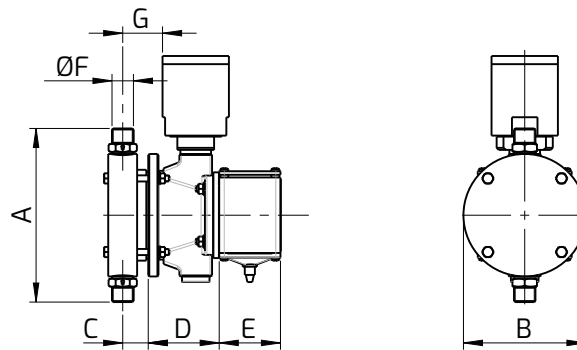
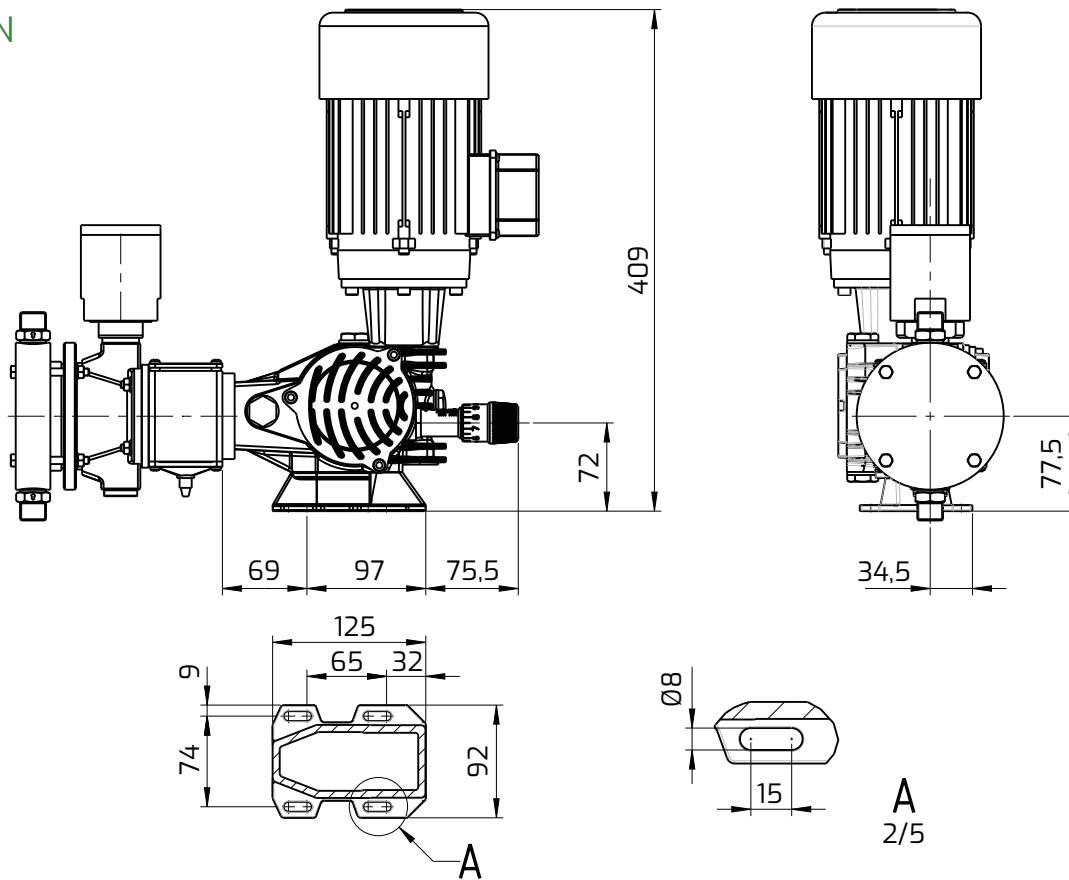
METERING PUMPS
MODEL BR
FOR HIGH PRESSURE

Data is for reference only and subject to change without notice.

Dimensions

6

BR175N



Pump model	Execution Stainless Steel.							
	A	B	C	D	E	G	øF	Kg
BR 175N-08	6.14"	3.94"	0.90"	2.74"	2.36"	1.65"	1/2" Gm	12.5
BR 175N-12	6.14"	3.94"	0.90"	2.74"	2.36"	1.65"	1/2" Gm	12.5
BR 175N-18	6.93"	4.72"	0.98"	2.74"	2.36"	1.73"	1/2" Gm	13.5
BR 175N-25	6.69"	4.72"	0.98"	2.74"	2.36"	1.73"	1/2" Gm	13.5
BR 175N-30	6.69"	4.72"	0.98"	2.74"	2.36"	1.54"	1/2" Gm	13.5
BR 175N-40	7.09"	5.12"	1.18"	2.74"	2.36"	1.71"	1/2" Gm	14.5
BR 175N-50	9.06"	6.69"	1.61"	2.93"	3.15"	1.73"	3/4" Gm	21

Dimensions in Inches



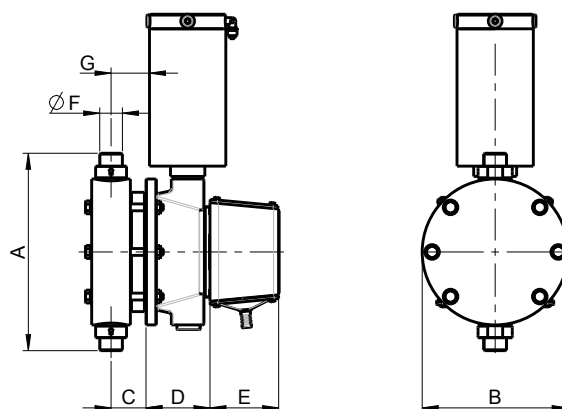
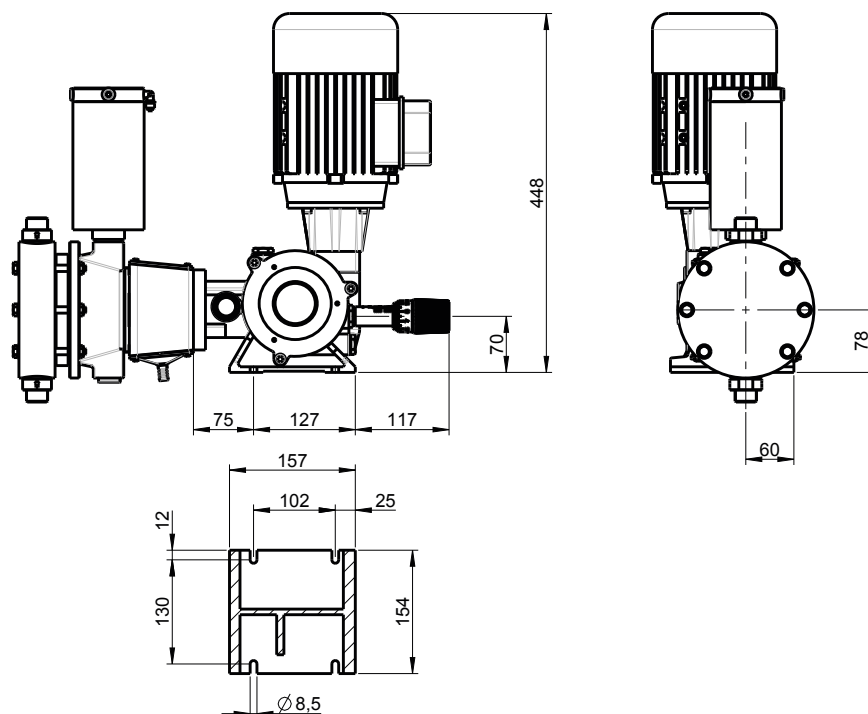
METERING PUMPS
MODEL BR
FOR HIGH PRESSURE

Data is for reference only and subject to change without notice.

Dimension

BR250N

7



Pump model	Execution Stainless Steel.							
	A	B	C	D	E	G	øF	Kg
BR 250N-40	9.06"	6.69"	1.61"	2.93"	3.15"	1.73"	3/4" Gm	28.5
BR 250N-50	9.06"	6.69"	1.61"	2.93"	3.15"	1.73"	3/4" Gm	29
BR 250N-55	9.06"	6.69"	1.61"	3.17"	3.15"	1.73"	3/4" Gm	29
BR 250N-65	12.60"	8.27"	1.99"	3.84"	3.15"	2.87"	1" Gm	39

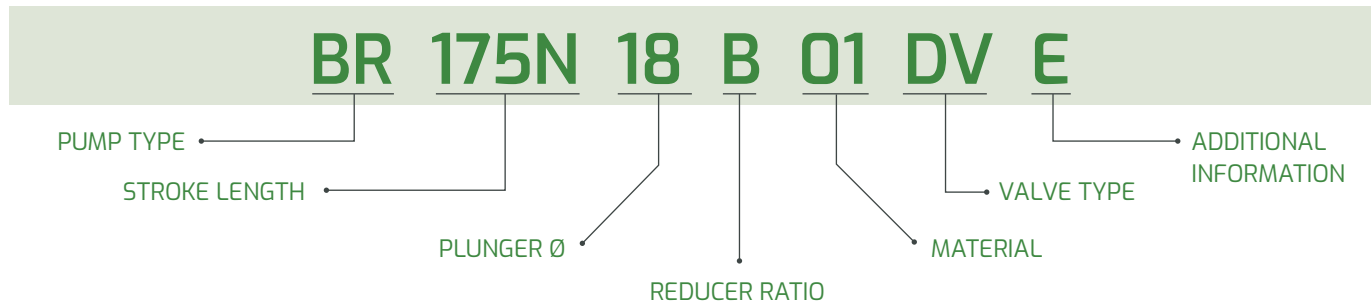
Dimensions in Inches



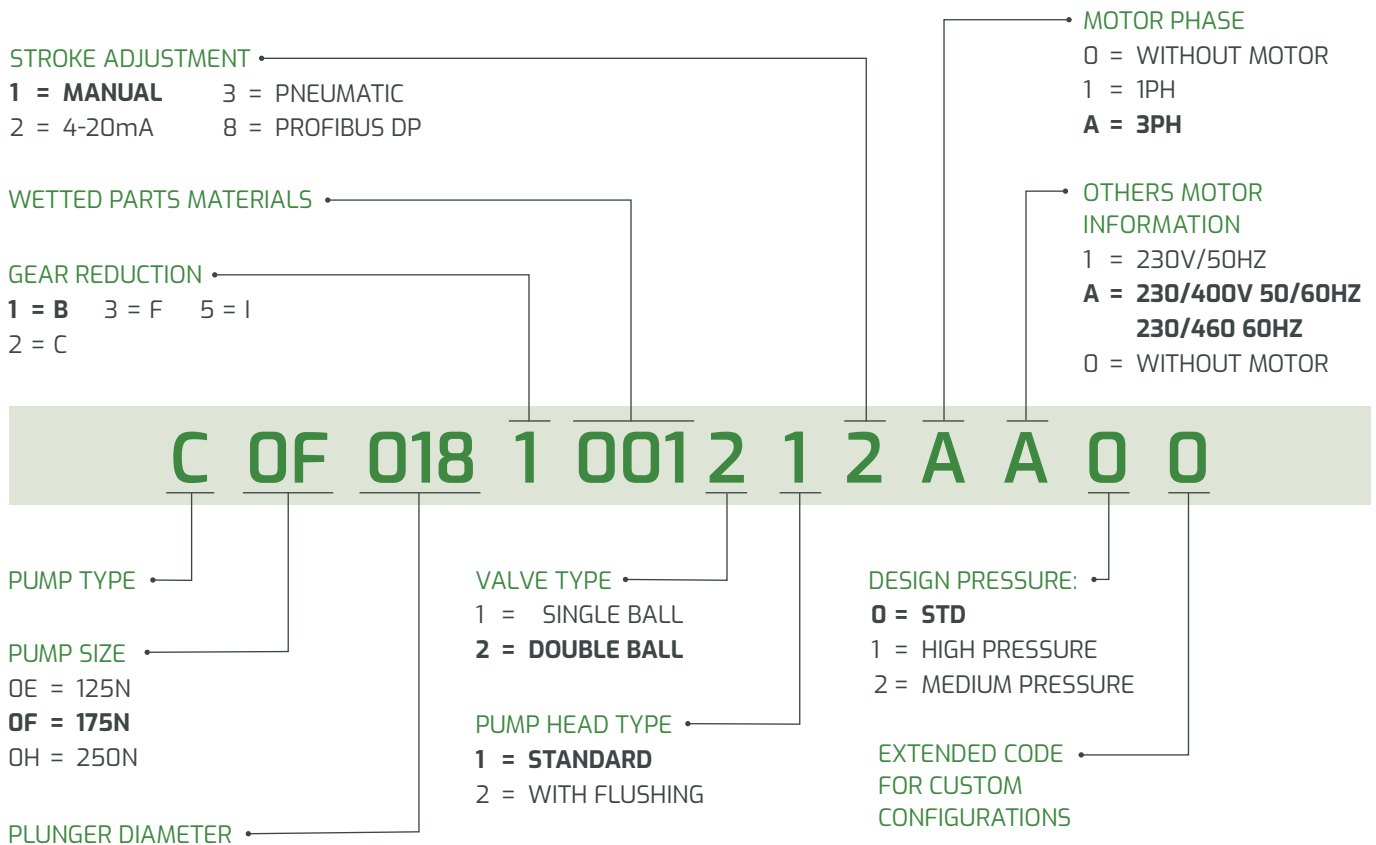
METERING PUMPS
MODEL BR
FOR HIGH PRESSURE

Data is for reference only and subject to change without notice.

How to read the pump model



How to read the pump code



Data is for reference only and subject to change without notice



SIMPLIFIED FLUID HANDLING

FPZ, Inc
650 North Dekora Woods Blvd.
Saukville, WI 53080 - U.S.A.

Tel +262 268-0180
usa@fpz.com
www.fpzusa.com