

Metering pumps Model B

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

PUMPED LIQUID CONTAINS SMALL AMOUNTS OF SUSPENDED SOLID

DOSED MEDIUM IS TOXIC, CORROSIVE, HAZARDOUS

LEAKAGE IS NOT ACCEPTABLE

HIGH PRESSURE IS NOT REQUIRED



Applications

Injection of chemicals as coagulant, fertilizer, acids, polymers, oxygen scavenger, amine and much more.

Commonly used in the following applications:

- Fertigation
- Water treatment
- Paper industry
- Chemical industry
- Food industry
- Cooling towers
- Power plants

Features

- Simplex and multi-head versions are available.
- BSPPm 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 0.18kW to 0.75kW.

Standard 3 phase voltages are 220-240V(Δ) 380-415 (Y) 50Hz / 220-280V(Δ) 380-480 (Y) 60Hz.

Standard 1 phase voltage 230V-50Hz.

Motors are available to meet a wide range of alternative specifications including: ATEX; different voltages, frequencies, higher insulation standards 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.
- PTFE coated diaphragm.

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	5.5.316		Plastic			
						0,18 kW	0,25 kW	0,18 kW	0,25 kW		
B125N-8	F	58	70	1,5	1,8	20		10		1/2" BSP male	50
	C	96	116	2,4	2,88						
	B	116		3							
B125N-12	I	35	42	2,7	3,2	20		10		1/2" BSP male	50
	F	58	70	4,5	5,4						
	C	96	116	7,4	8,88						
	B	116		9							
B125N-18	I	35	42	6,6	7,9	20		10		1/2" BSP male	50
	F	58	70	11	13,2						
	C	96	116	18	21,6						
	B	116		22							
B125N-25	I	35	42	12,6	15,1	20		10		1/2" BSP male	70
	F	58	70	21	25,2						
	C	96	116	34	40,8						
	B	116		42							
B125N-30	I	35	42	18	21,6	13	20	10		1/2" BSP male	70
	F	58	70	30	36						
	C	96	116	49	58,8						
	B	116		60							
B125N-40	I	35	42	32,5	39	8	13,2	8	10	1/2" BSP male	90
	F	58	70	54	65						
	C	96	116	89	106,8						
	B	116		108							

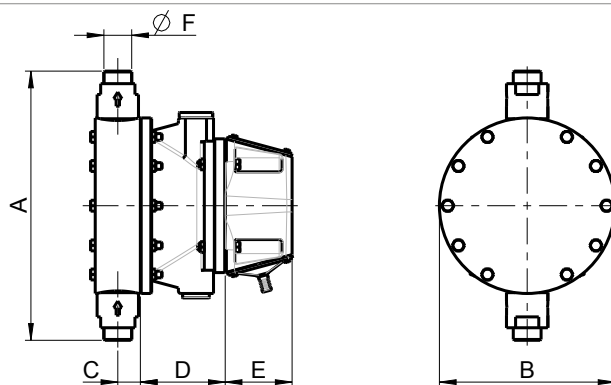
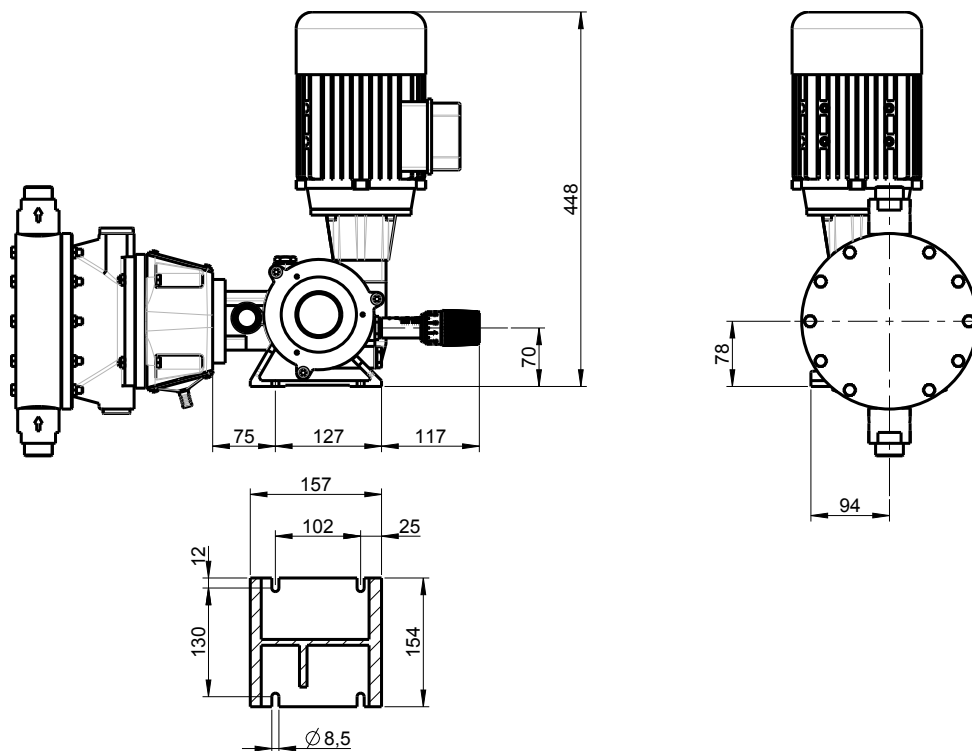
Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	5.5.316		Plastic			
						0,25 kW	0,37 kW	0,25 kW	0,37 kW		
B175N-8	F	70	84	2,6	3,12					1/2" BSP male	50
	C	96	116	3,5	4,2	20		10			
	B	120		4,4							
B175N-12	F	70	84	7,6	9,12					1/2" BSP male	50
	C	96	116	10,4	12,4	20		10			
	B	120		13							
B175N-18	F	70	84	18	21,6					1/2" BSP male	70
	C	96	116	24	28,8	20		10			
	B	120		32							
B175N-25	F	70	84	36	43,2					1/2" BSP male	70
	C	96	116	49	58,8	20		10			
	B	120		61							
B175N-30	F	70	84	51	61,2					1/2" BSP male	70
	C	96	116	69	82,8	20		10			
	B	120		88							
B175N-40	F	70	84	92	110,4					1/2" BSP male	90
	C	96	116	126	151,2	12	20	10			
	B	120		158							
B175N-50	F	70	84	144	172,8					3/4" BSP male	120
	C	96	116	197	236,4	7,5	11	7,5	10		
	B	120		247							
B175N-55	F	70	84	174	208,8					3/4" BSP male	120
	C	96	116	238	285,6	6,3	11	6,3	10		
	B	120		299							
B175N-65	F	70	84	243	291,6					3/4" BSP male	120
	C	96	116	333	399,6	4,5	7,8	4,5	7,8		
	B	120		418							

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316		Plastic			
						0,55 kW	0,75 kW	0,55 kW	0,75 kW		
B250N-40	F	56	67	105	126	11		10		¾" BSP male	120
	C	96	116	180	216						
	B	112		210							
B250N-50	F	56	67	165	198	11		10		¾" BSP male	120
	C	96	116	282	338						
	B	112		330							
B250N-55	F	56	67	200	240	11		10		¾" BSP male	120
	C	96	116	342	410						
	B	112		400							
B250N-65	F	56	67	278	333.6	9		9		1" BSP male	160
	C	96	116	476	571.2						
	B	112		556							
B250N-75	F	56	67	371	445.2	6,6	8,7	6,6	8,7	1" BSP male	160
	C	96	116	636	763.2						
	B	112		742							
B250N-90	F	56	67	534	640.8	4,7	6,2	4,7	6,2	1" BSP male	160
	C	96	116	915	1098						
	B	112		1068							

Wetted parts code for standard materials

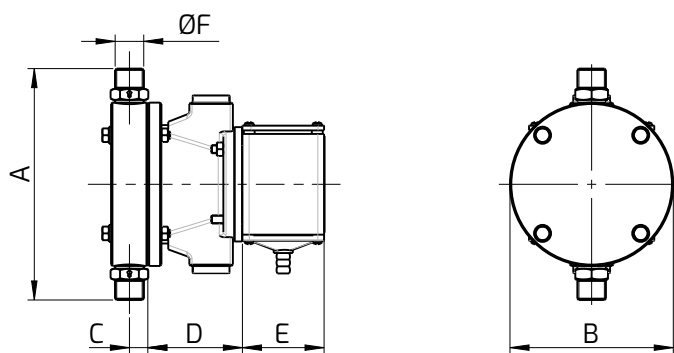
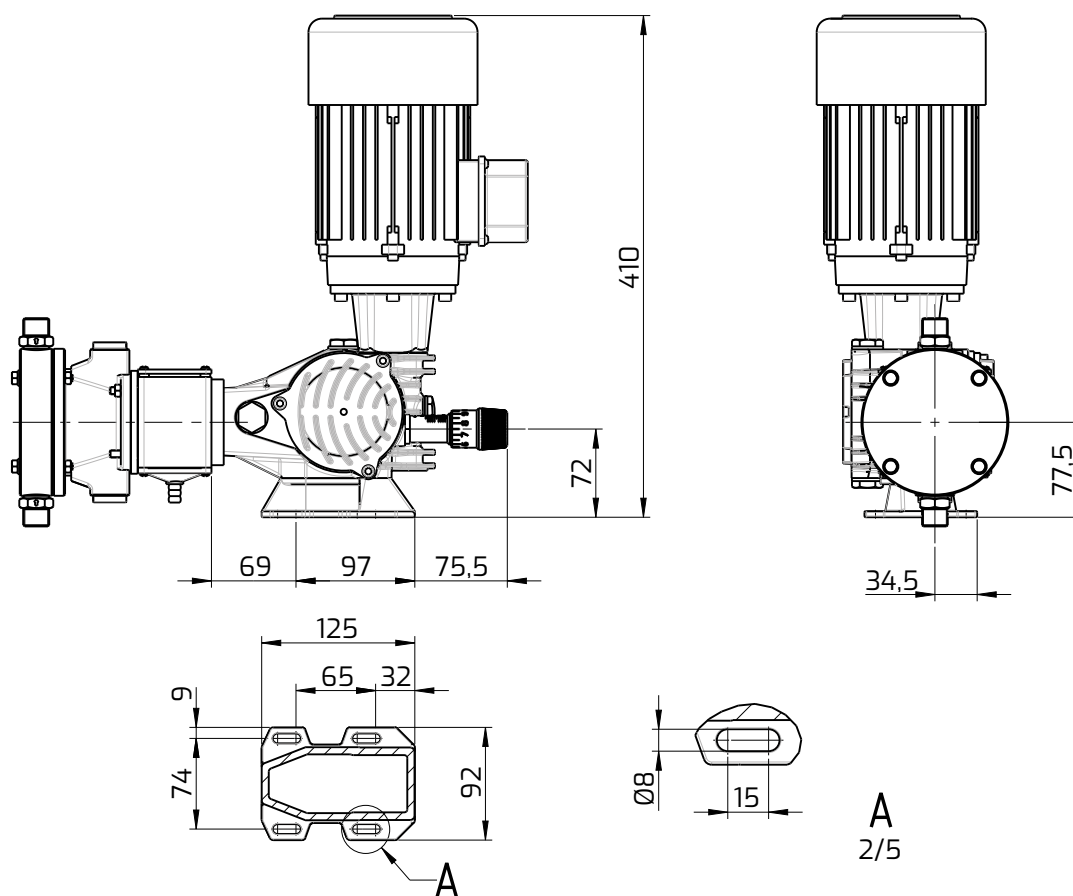
Standard construction materials (wetted parts only)						
Material codes	Pump head	Diaphragm	Valve ball	Valve seat	Valve gasket	
41	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM	
43	PVC	PTFE	Pyrex	PVDF	FPM	
20	PP	PTFE	Pyrex	PVDF	FPM	
38	PVDF	PTFE	Pyrex	PVDF	FPM	

B125N



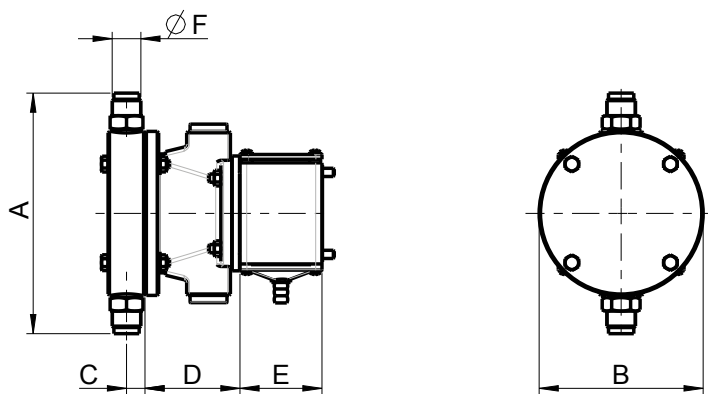
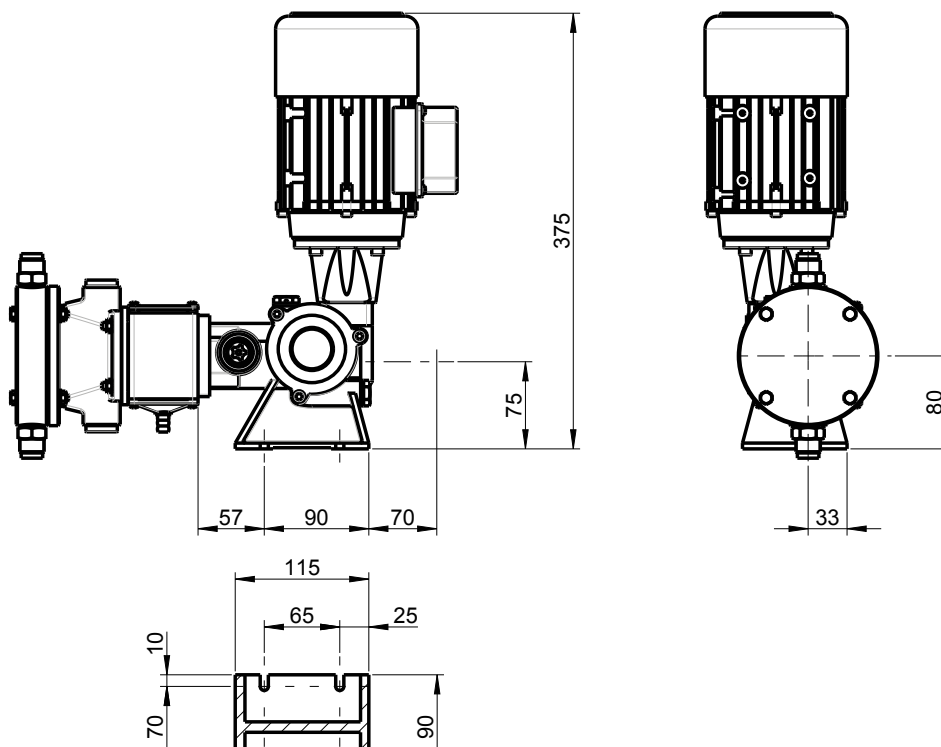
Pump model	Execution INOX							Execution Plastic						
	A	B	C	D	E	øF	Kg	A	B	C	D	E	øF	Kg
B 125N-08	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-12	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-18	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-25	176	120	13,5	69,5	60	1/2" Gm	11	198	130	17,5	69,5	60	1/2" Gm	8,5
B 125N-30	170	120	13,5	69,5	60	1/2" Gm	11	241	140	20	69,5	60	1/2" Gm	9
B 125N-40	180	130	13,5	69,5	60	1/2" Gm	11,5	241	140	20	69,5	60	1/2" Gm	9

B175N

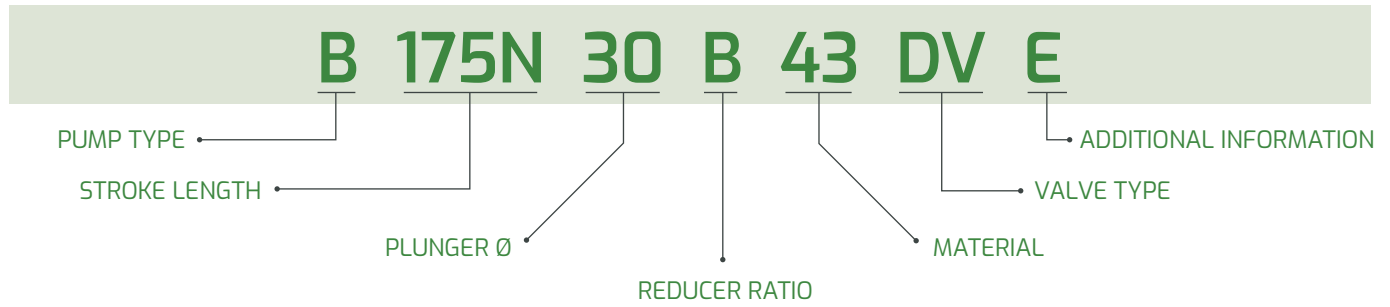


Pump model	Execution INOX							Execution Plastic						
	A	B	C	D	E	øF	Kg	A	B	C	D	E	øF	Kg
B175N-08	156	100	13,5	69,5	60	1/2" BSP	11	178	110	17,5	69,5	60	1/2" BSP	10
B175N-12	156	100	13,5	69,5	60	1/2" BSP	11	178	110	17,5	69,5	60	1/2" BSP	10
B175N-18	176	120	13,5	69,5	60	1/2" BSP	12,5	198	130	17,5	69,5	60	1/2" BSP	11
B175N-25	176	120	13,5	69,5	60	1/2" BSP	12,5	198	130	17,5	69,5	60	1/2" BSP	11
B175N-30	170	120	13,5	69,5	60	1/2" BSP	12,5	241	140	20	69,5	60	1/2" BSP	11
B175N-40	180	130	13,5	69,5	60	1/2" BSP	13	241	140	20	69,5	60	1/2" BSP	1
B175N-50	232	170	21	74,5	60	3/4" BSP	18,5	245	180	23	74,5	60	3/4" BSP	13,5
B175N-55	232	170	21	80	60	3/4" BSP	20	245	180	23	80	60	3/4" BSP	15
B175N-65	232	170	21	84,5	60	3/4" BSP	20	245	180	23	84,5	60	3/4" BSP	15

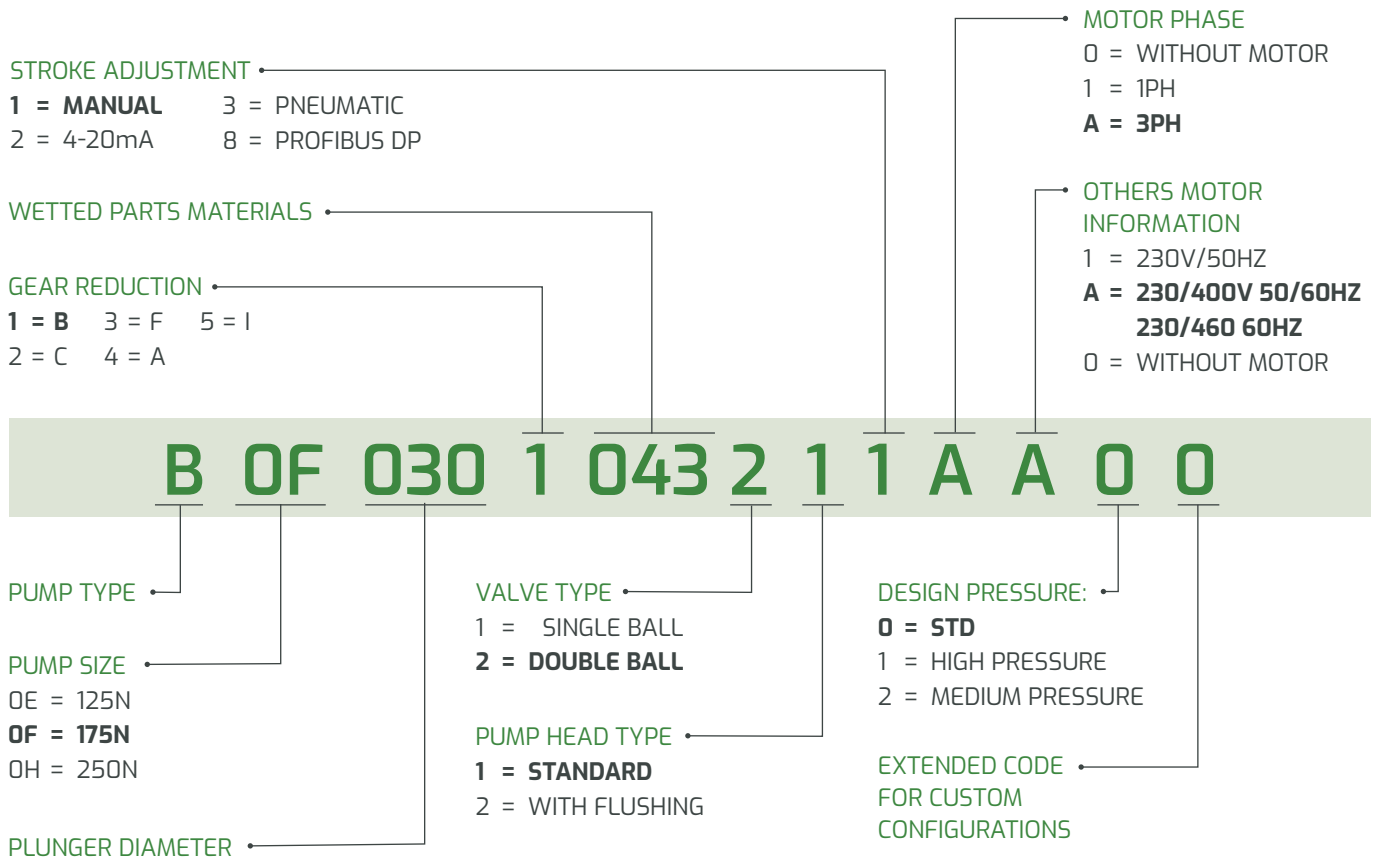
B250N



Pump model	Execution INOX							Execution Plastic						
	A	B	C	D	E	øF	Kg	A	B	C	D	E	øF	Kg
B 250N-40	232	170	21	74,5	80	¾" Gm	26	245	180	23	74,5	80	¾" Gm	21
B 250N-50	232	170	21	74,5	80	¾" Gm	26,5	245	180	23	74,5	80	¾" Gm	22,5
B 250N-55	232	170	21	80,5	80	¾" Gm	27	245	180	23	80,5	80	¾" Gm	23
B 250N-65	322	210	27	97,5	80	1" Gm	35,5	320	220	34	97,5	80	1" Gm	25
B 250N-75	322	210	27	97,5	80	1" Gm	35	320	220	34	97,5	80	1" Gm	27
B 250N-90	322	210	27	101,5	80	1" Gm	37	320	220	34	101,5	80	1" Gm	27



How to read the pump code



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

Metering pumps Model BR

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

PUMPED LIQUID CONTAINS SMALL AMOUNTS OF SUSPENDED SOLID

DOSED MEDIUM IS TOXIC, CORROSIVE, HAZARDOUS

LEAKAGE IS NOT ACCEPTABLE

HIGH PRESSURE IS NOT REQUIRED



Applications

Injection of chemicals as coagulant, fertilizer, acids, polymers, oxygen scavenger, amine and much more.

Commonly used in the following applications:

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

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.
 - BSPPm valve connections are standard. Flanged or other connections are available upon request.
 - Cataphoresis 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 0.18kW to 0.75kW.
- Standard 3 phase voltages are 220-240V(Δ) 380-415 (Y) 50Hz / 220-280V(Δ) 380-480 (Y) 60Hz. Standard 1 phase voltage 230V-50Hz. Motors are available to meet a wide range of alternative specifications including: ATEX; different voltages, frequencies, higher insulation standards 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.

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max PSV set-up Pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316		PVC			
						0,18 kW	0,25 kW	0,18 kW	0,25 kW		
BR125N-8	F	58	70	1,5	1,8	13,5		11		1/2" BSP male	50
	C	96	116	2,4	2,88						
	B	116		3							
BR125N-12	I	35	42	2,7	3,2	13,5		11		1/2" BSP male	50
	F	58	70	4,5	5,4						
	C	96	116	7,4	8,88						
	B	116		9							
BR125N-18	I	35	42	6,6	7,9	13,5		11		1/2" BSP male	50
	F	58	70	11	13,2						
	C	96	116	18	21,6						
	B	116		22							
BR125N-25	I	35	42	12,6	15,1	13,5		11		1/2" BSP male	70
	F	58	70	21	25,2						
	C	96	116	34	40,8						
	B	116		42							
BR125N-30	I	35	42	18	21,6	9	13,5		11	1/2" BSP male	70
	F	58	70	30	36						
	C	96	116	49	58,8						
	B	116		60							
BR125N-40	I	35	42	32,5	39	5	8,5	5	8,5	1/2" BSP male	90
	F	58	70	54	65						
	C	96	116	89	106,8						
	B	116		108							

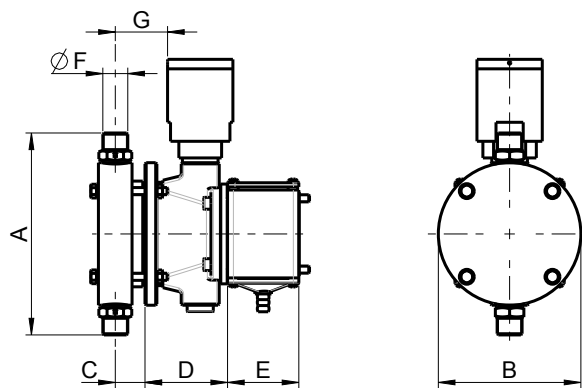
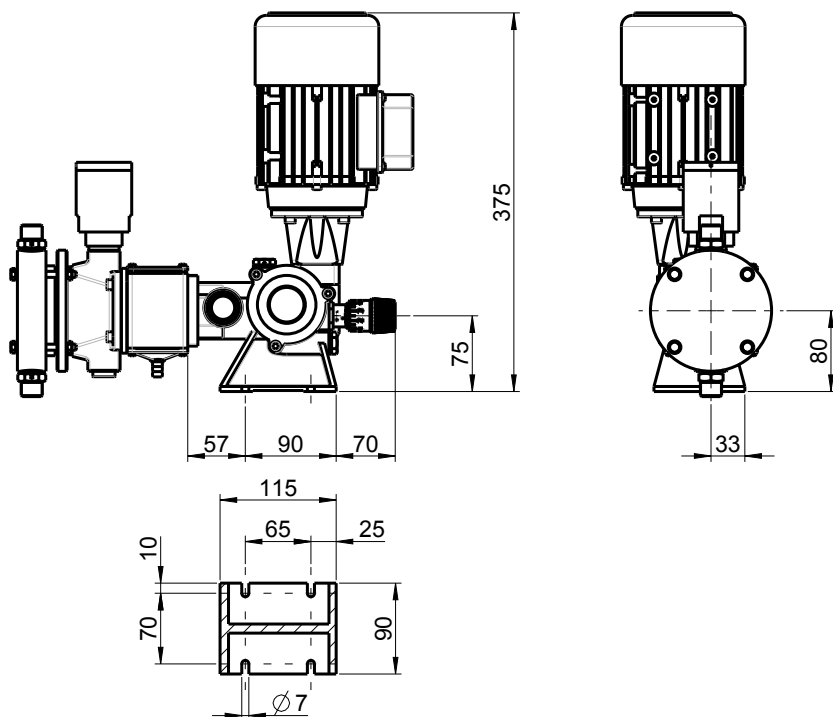
Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max PSV set-up Pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	5.5.316		PVC			
						0,25 kW	0,37 kW	0,25 kW	0,37 kW		
BR175N-8	F	70	84	2,6	3,12					1/2" BSP male	50
	C	96	116	3,5	4,2	14		11			
	B	120		4,4							
BR175N-12	F	70	84	7,6	9,12					1/2" BSP male	50
	C	96	116	10,4	12,4	14		11			
	B	120		13							
BR175N-18	F	70	84	18	21,6					1/2" BSP male	70
	C	96	116	24	28,8	14		11			
	B	120		32							
BR175N-25	F	70	84	36	43,2					1/2" BSP male	70
	C	96	116	49	58,8	14		11			
	B	120		61							
BR175N-30	F	70	84	51	61,2					1/2" BSP male	70
	C	96	116	69	82,8	14		11			
	B	120		88							
BR175N-40	F	70	84	92	110,4					1/2" BSP male	90
	C	96	116	126	151,2	9	13	9			
	B	120		158							
BR175N-50	F	70	84	144	172,8					3/4" BSP male	120
	C	96	116	197	236,4	5	7	5	7		
	B	120		247							
BR175N-55	F	70	84	174	208,8					3/4" BSP male	120
	C	96	116	238	285,6	4	7	4	7		
	B	120		299							
BR175N-65	F	70	84	243	291,6					3/4" BSP male	120
	C	96	116	333	399,6	3	5	3	5		
	B	120		418							

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max PSV set-up Pressure (Bar)				Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316		PVC			
						0,55 kW	0,75 kW	0,55 kW	0,75 kW		
BR250N-40	F	56	67	105	126					¾" BSP male	120
	C	96	116	180	216	7,2		7			
	B	112		210							
BR250N-50	F	56	67	165	198					¾" BSP male	120
	C	96	116	282	338	7,2		7			
	B	112		330							
BR250N-55	F	56	67	200	240					¾" BSP male	120
	C	96	116	342	410	7,2		7			
	B	112		400							
BR250N-65	F	56	67	278	333.6					1" BSP male	160
	C	96	116	476	571.2	5,9		5,9			
	B	112		556							
BR250N-75	F	56	67	371	445.2					1" BSP male	160
	C	96	116	636	763.2	4,3	5,7	4,3	5,7		
	B	112		742							
BR250N-90	F	56	67	534	640.8					1" BSP male	160
	C	96	116	915	1098	3,1	4	3,1	4		
	B	112		1068							

Wetted parts code for standard materials

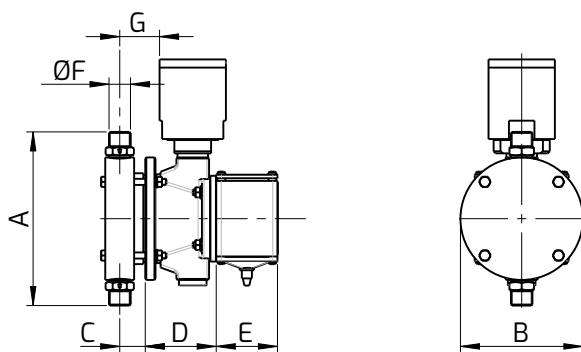
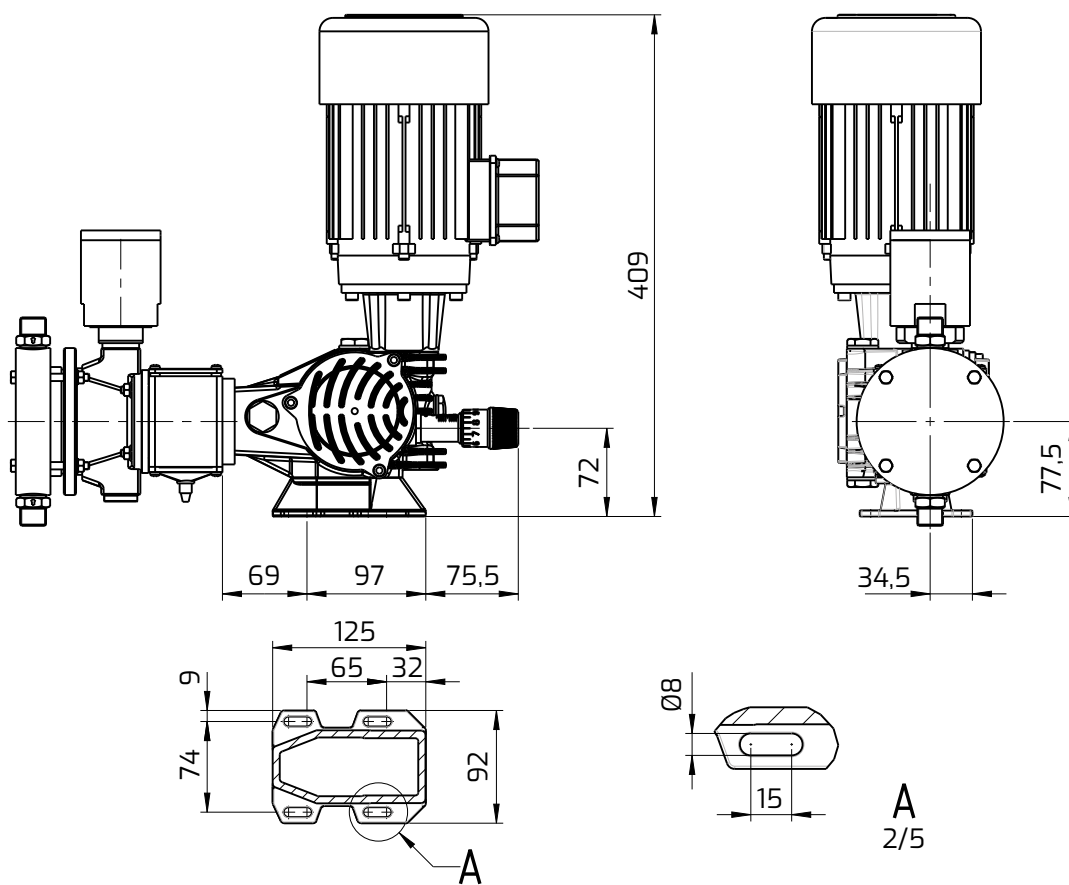
Standard construction materials (wetted parts only)						
Material codes	Pump head	Diaphragm	Valve ball	Valve seat	Valve gasket	
41	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM	
43	PVC	PTFE	Pyrex	PVDF	FPM	
20	PP	PTFE	Pyrex	PP	FPM	
38	PVDF	PTFE	Pyrex	PVDF	FPM	

BR125N



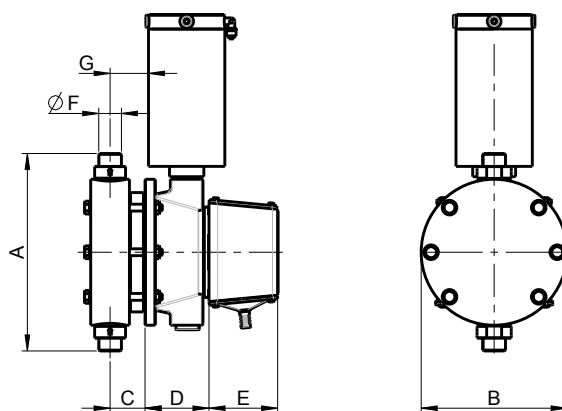
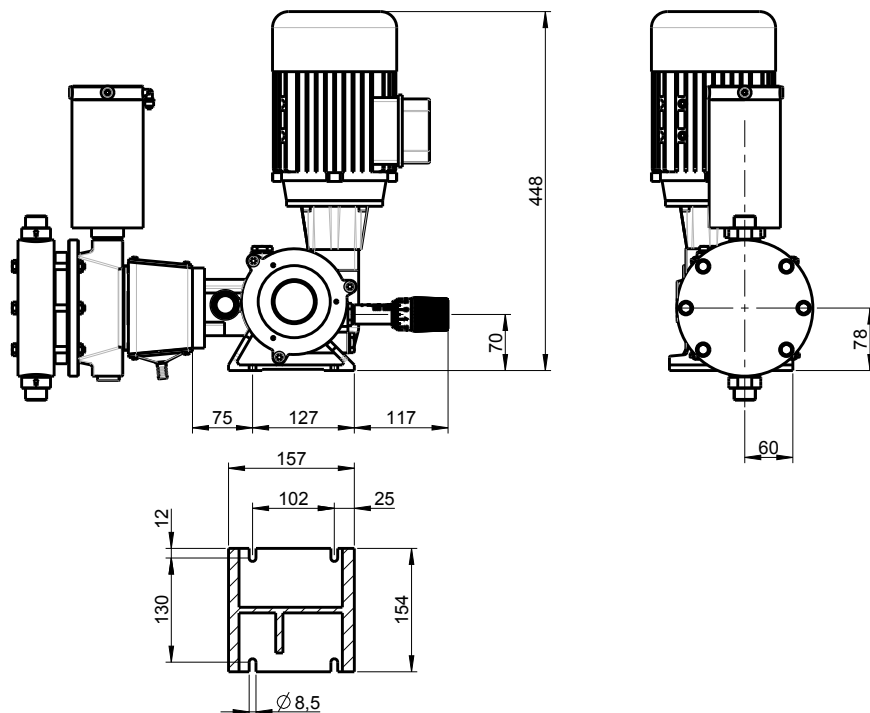
Pump model	Execution INOX							Execution Plastic						
	A	B	C	D	E	øF	Kg	A	B	C	D	E	øF	Kg
B 125N-08	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-12	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-18	156	100	13,5	69,5	60	1/2" Gm	10	178	110	17,5	69,5	60	1/2" Gm	8,5
B 125N-25	170	120	13,5	69,5	60	1/2" Gm	11	198	130	17,5	69,5	60	1/2" Gm	8,5
B 125N-30	170	120	13,5	69,5	60	1/2" Gm	11	241	140	20	69,5	60	1/2" Gm	9
B 125N-40	180	130	13,5	69,5	60	1/2" Gm	11,5	241	140	20	69,5	60	1/2" Gm	9

BR175N

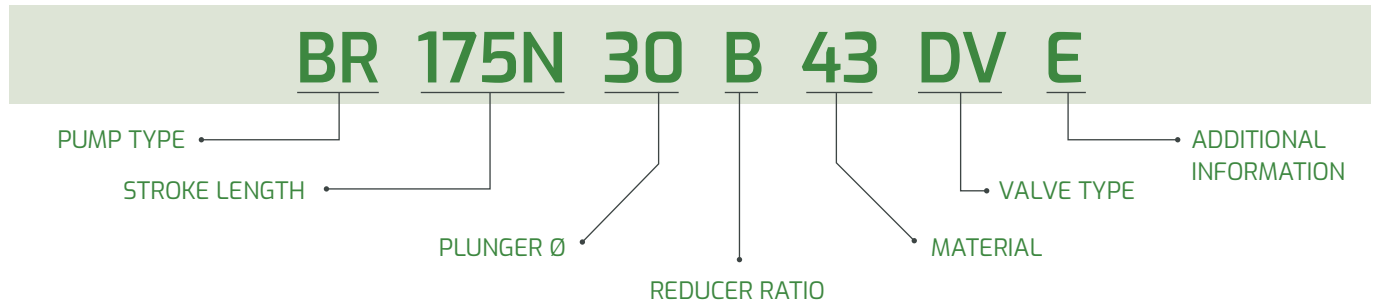


Pump model	Execution INOX								Execution Plastic							
	A	B	C	D	E	G	øF	Kg	A	B	C	D	E	G	øF	Kg
BR 175N-08	156	100	23	69,5	60	42	1/2" Gm	12,5	178	110	27,5	69,5	60	46,5	1/2" Gm	11
BR 175N-12	156	100	23	69,5	60	42	1/2" Gm	12,5	178	110	27,5	69,5	60	46,5	1/2" Gm	11
BR 175N-18	176	120	25	69,5	60	44	1/2" Gm	13,5	198	130	29,5	69,5	60	48,5	1/2" Gm	11,5
BR 175N-25	170	120	25	69,5	60	44	1/2" Gm	13,5	198	130	29,5	69,5	60	48,5	1/2" Gm	11
BR 175N-30	170	120	25	69,5	60	39	1/2" Gm	13,5	232	130	32	69,5	60	46	1/2" Gm	12,5
BR 175N-40	180	130	30	69,5	60	43,5	1/2" Gm	14,5	242	140	36	69,5	60	49	1/2" Gm	13
BR 175N-50	230	170	41	74,5	80	44	3/4" Gm	21	245	180	41	74,5	80	45	3/4" Gm	14,5
BR 175N-55	230	170	41	80,5	80	44	3/4" Gm	21	245	180	41	80,5	80	45	3/4" Gm	14,5
BR 175N-65	230	170	41	84,5	80	54	3/4" Gm	19,5	245	180	41	84,5	80	55	3/4" Gm	14

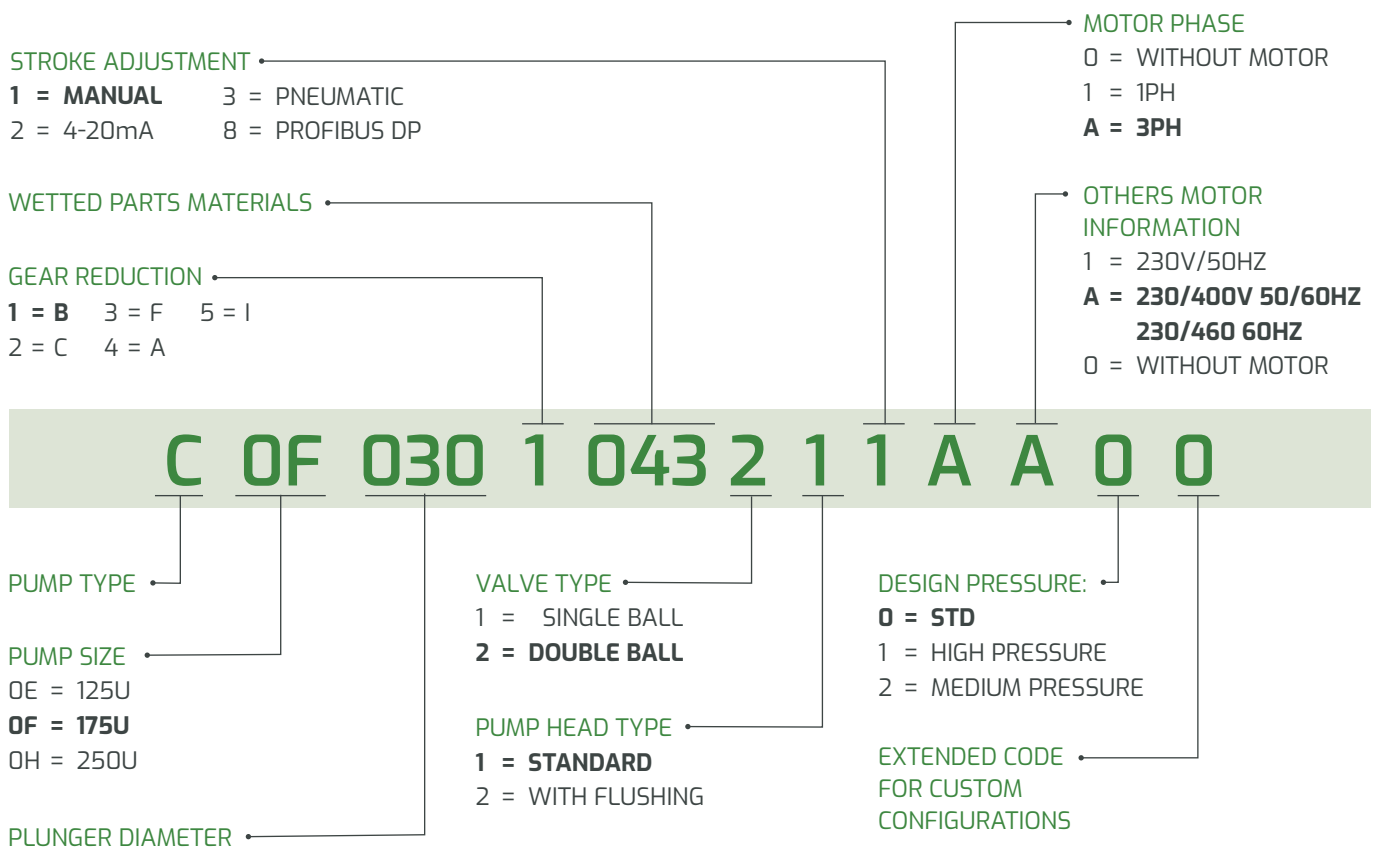
BR250N



Pump model	Execution INOX								Execution Plastic							
	A	B	C	D	E	G	$\varnothing F$	Kg	A	B	C	D	E	G	$\varnothing F$	Kg
BR 250N-40	230	170	41	74,5	80	44	3/4" Gm	28,5	245	180	41	74,5	80	45	3/4" 76	23
BR 250N-50	230	170	41	74,5	80	44	3/4" Gm	29	245	180	41	74,5	80	45	3/4" 76	23
BR 250N-55	230	170	41	80,5	80	44	3/4" Gm	29	245	180	41	80,5	80	45	3/4" 76	23,5
BR 250N-65	320	210	50,5	97,5	80	73	1" Gm	39	322	220	52	97,5	80	74	1" 76	28
BR 250N-75	320	210	53	97,5	80	74,5	1" Gm	39,5	322	220	54,5	97,5	80	76	1" 76	28,5
BR 250N-90	320	210	53	101,5	80	74,5	1" Gm	41	322	220	54,5	101,5	80	76	1" 76	30



How to read the pump code



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

Metering pumps Model B for high pressure

Doseuro models B 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



Applications

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

Commonly used in the following applications:

- Water Treatment
- Chemical Industry
- Cooling Towers
- Power Plants

Features

- Simplex and multi-head versions are available.
- BSPPm valve connections are standard. Flanged or other connections are available upon request.
- Cataphoresis 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 0.18kW to 0.75kW.

Standard 3 phase voltages are 220-240V(Δ) 380-415 (Y) 50Hz / 220-280V(Δ) 380-480 (Y) 60Hz.

Standard 1 phase voltage 230V-50Hz.

Motors are available to meet a wide range of alternative specifications including: ATEX; different voltages, frequencies, higher insulation standards 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.
- PTFE coated diaphragm.

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,18 kW	0,25 kW		
B125N-8	F	58	70	1,5	1,8	60*	N.A.	1/2" BSP male	50
	C	96	116	2,4	2,88				
	B	116		3					
B125N-12	I	35	42	2,7	3,2	60*	N.A.	1/2" BSP male	50
	F	58	70	4,5	5,4				
	C	96	116	7,4	8,88				
	B	116		9					
B125N-18	I	35	42	6,6	7,9	40	60*	1/2" BSP male	50
	F	58	70	11	13,2				
	C	96	116	18	21,6				
	B	116		22					
B125N-25	I	35	42	12,6	15,1	N.A.	34	1/2" BSP male	70
	F	58	70	21	25,2				
	C	96	116	34	40,8				
	B	116		42					
B125N-30	I	35	42	18	21,6	N.A.	23	1/2" BSP male	70
	F	58	70	30	36				
	C	96	116	49	58,8				
	B	116		60					

*Capacity Value could decrease approximately of a 30% at indicated pressure

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,25 kW	0,37 kW		
B175N-8	F	70	84	2,6	3,12	60*	N.A.	1/2" BSP male	50
	C	96	116	3,5	4,2				
	B	120		4,4					
B175N-12	F	70	84	7,6	9,12	60*	N.A.	1/2" BSP male	50
	C	96	116	10,4	12,4				
	B	120		13					
B175N-18	F	70	84	18	21,6	60	N.A.	1/2" BSP male	70
	C	96	116	24	28,8				
	B	120		32					
B175N-25	F	70	84	36	43,2	37,5	53,5	1/2" BSP male	70
	C	96	116	49	58,8				
	B	120		61					
B175N-30	F	70	84	51	61,2	N.A.	37	1/2" BSP male	70
	C	96	116	69	82,8				
	B	120		88					
B175N-40	F	70	84	92	110,4	N.A.	20	1/2" BSP male	90
	C	96	116	126	151,2				
	B	120		158					
B175N-50	F	70	84	144	172,8	N.A.	13	3/4" BSP male	120
	C	96	116	197	236,4				
	B	120		247					

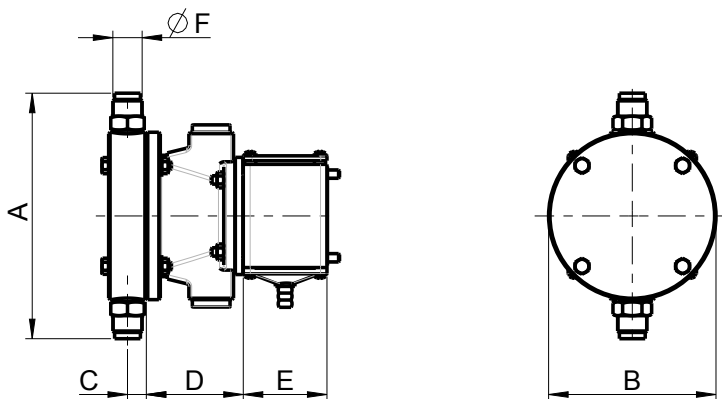
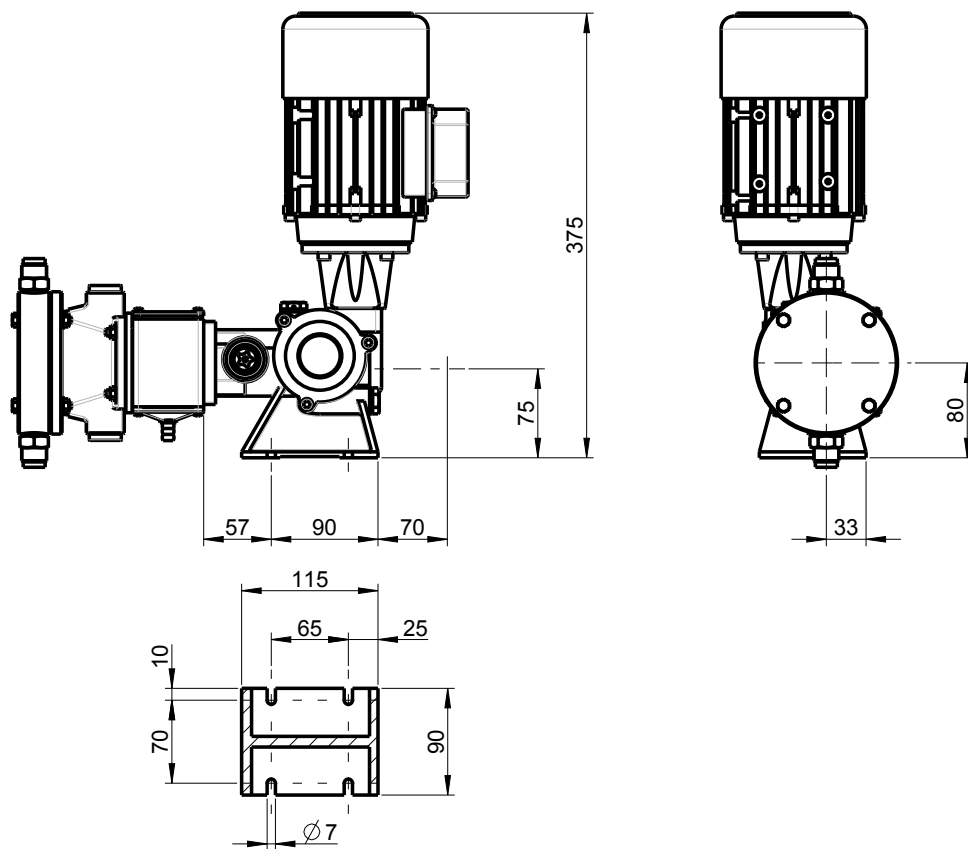
*Capacity Value could decrease approximately of a 30% at indicated pressure

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,55 kW	0,75 kW		
B250N-40	F	56	67	105	126	23,8	31	1/2" BSP male	120
	C	96	116	180	216				
	B	112		210					
B250N-50	F	56	67	165	198	15	20	1/2" BSP male	120
	C	96	116	282	338				
	B	112		330					
B250N-55	F	56	67	200	240	N.A.	16	1/2" BSP male	120
	C	96	116	342	410				
	B	112		400					
B250N-65	F	56	67	278	333,6	N.A.	9,9	1" BSP male	160
	C	96	116	476	571,2				
	B	112		556					

Wetted parts code for standard materials

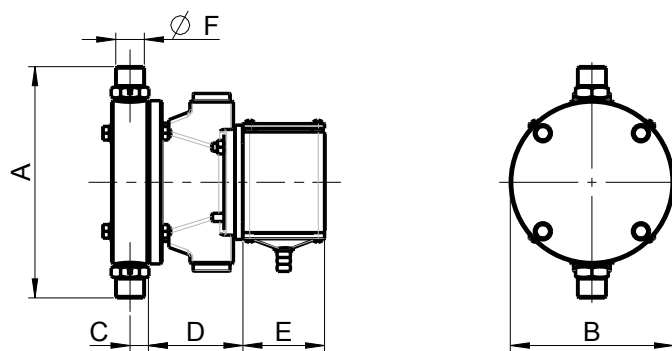
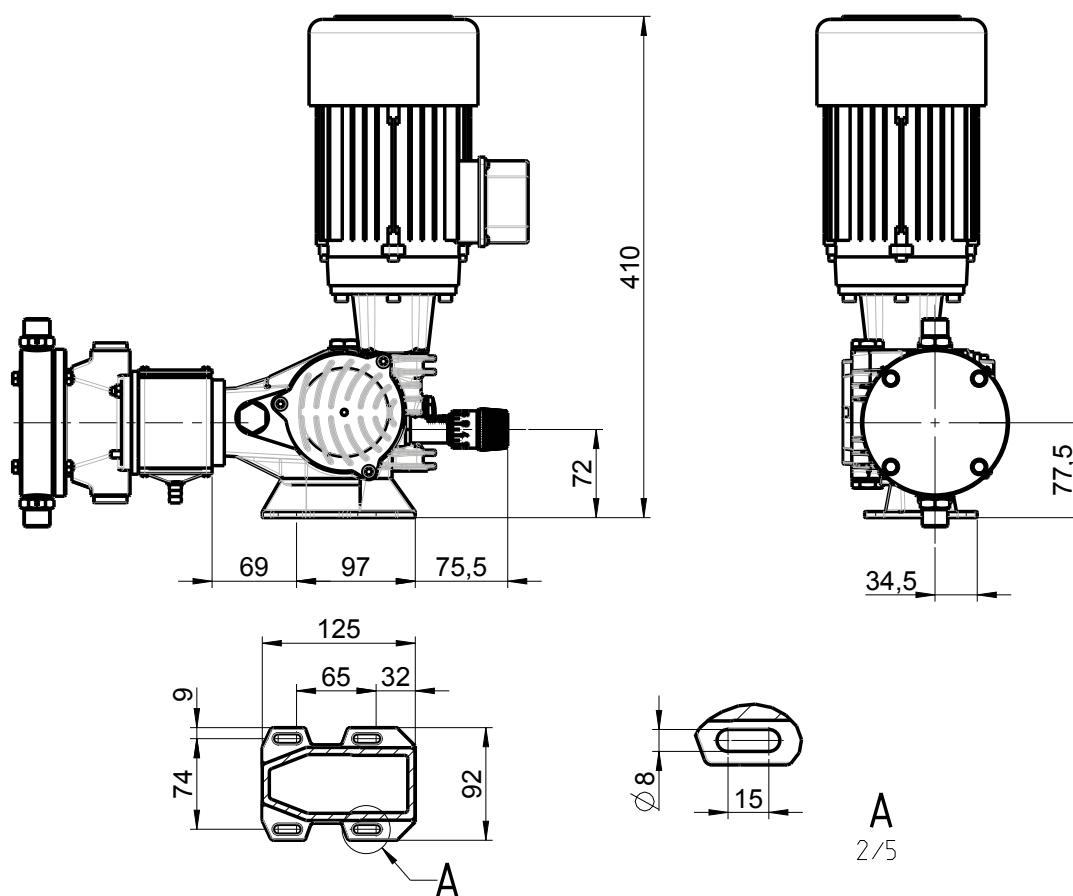
Standard construction materials (wetted parts only)					
Material codes	Pump head	Diaphragm	Valve ball	Valve seat	Valve gasket
01	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM

B125N



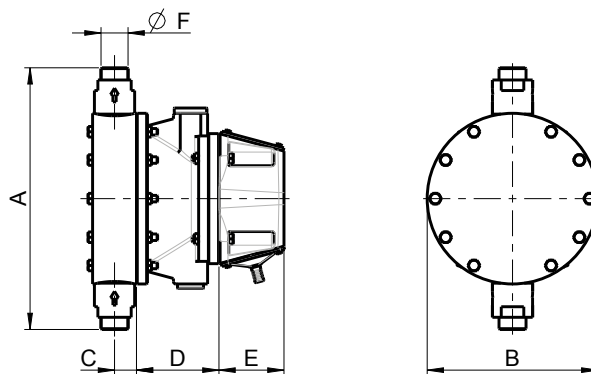
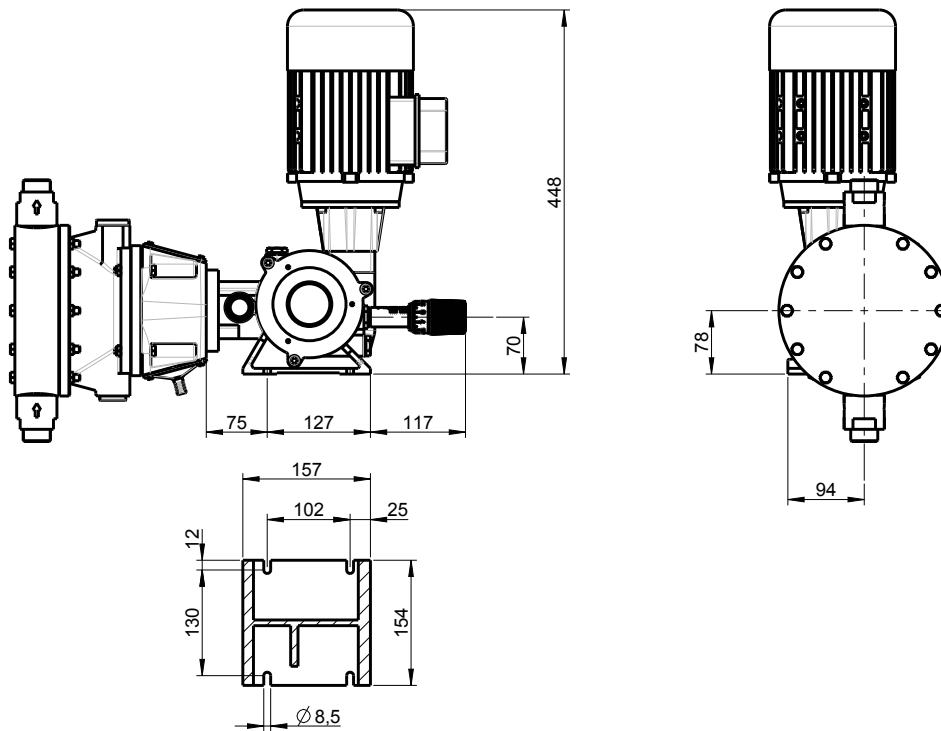
Pump model	Execution INOX						
	A	B	C	D	E	øF	Kg
B 125N-08	156	100	13,5	69,5	60	1/2" Gm	10
B 125N-12	156	100	13,5	69,5	60	1/2" Gm	10
B 125N-18	156	100	13,5	69,5	60	1/2" Gm	10
B 125N-25	176	120	13,5	69,5	60	1/2" Gm	11
B 125N-30	170	120	13,5	69,5	60	1/2" Gm	11

B175N

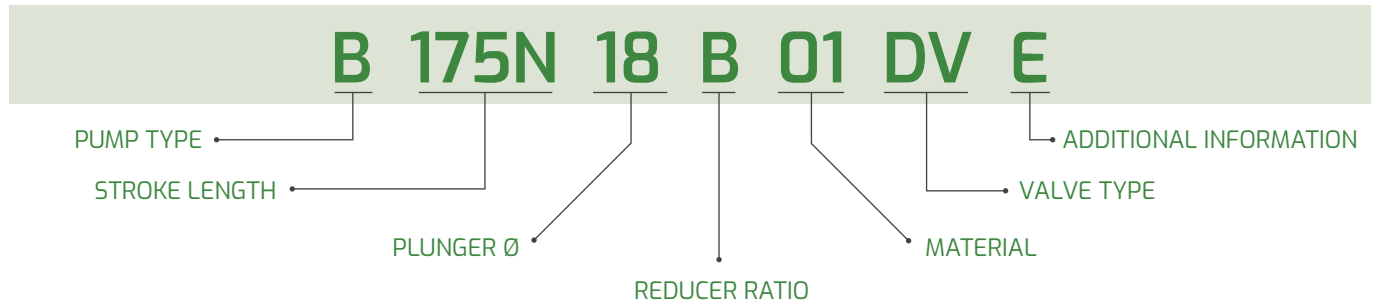


Pump model	Execution INOX						
	A	B	C	D	E	øF	Kg
B175N-08	156	100	13,5	69,5	60	1/2" Gm	11
B175N-12	156	100	13,5	69,5	60	1/2" Gm	11
B175N-18	176	120	13,5	69,5	60	1/2" Gm	12,5
B175N-25	176	120	13,5	69,5	60	1/2" Gm	12,5
B175N-30	170	120	13,5	69,5	60	1/2" Gm	12,5
B175N-40	180	130	13,5	69,5	60	1/2" Gm	13
B175N-50	232	170	21	74,5	60	3/4" Gm	18,5

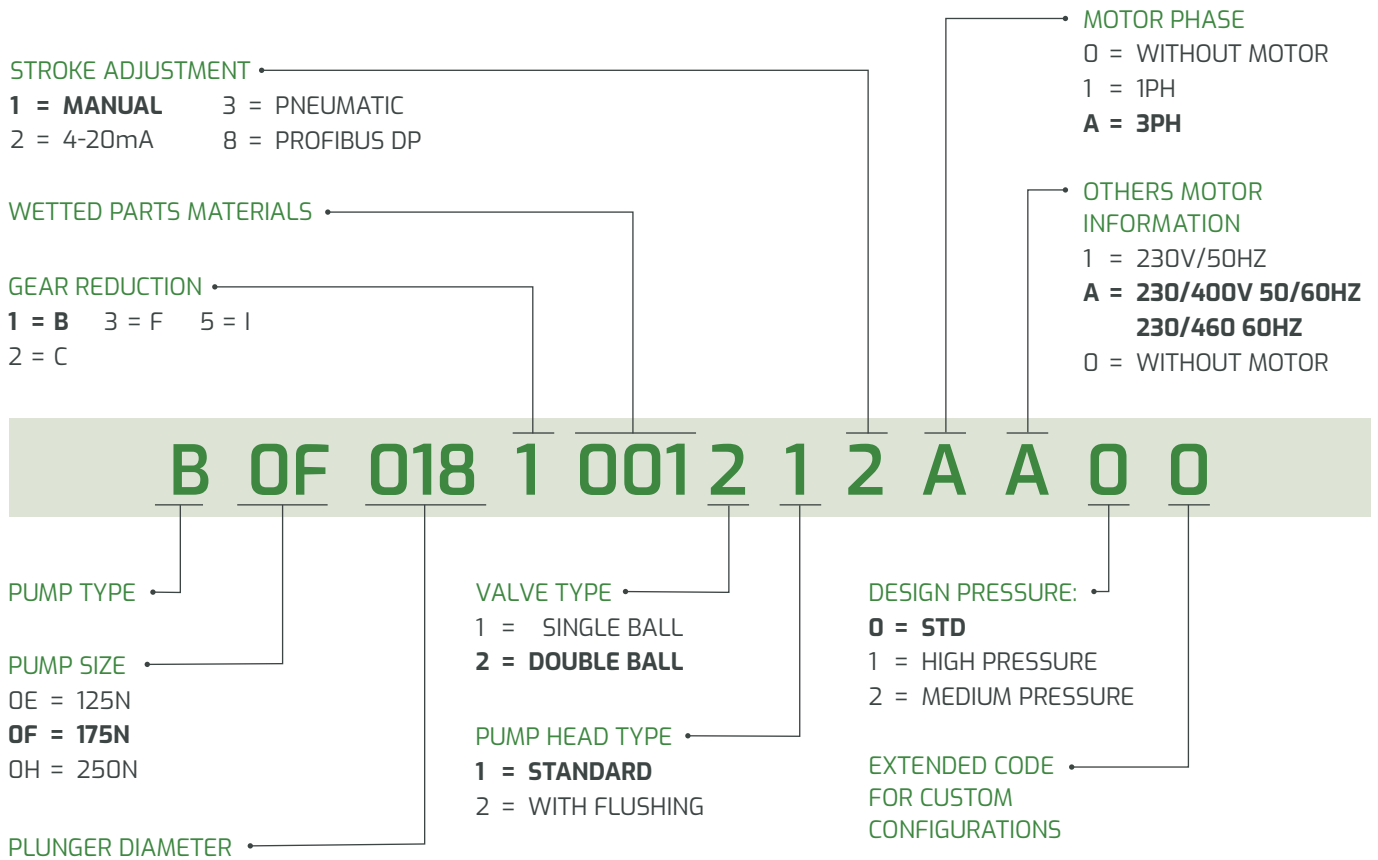
B250N



Pump model	Execution INOX						
	A	B	C	D	E	ØF	Kg
B 250N-40	232	170	21	74,5	3.15"	¾" Gm	26
B 250N-50	232	170	21	74,5	3.15"	¾" Gm	26,5
B 250N-55	232	170	21	80,5	3.15"	¾" Gm	27
B 250N-65	322	210	27	87,5	3.15"	1" Gm	35,5



How to read the pump code



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

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



Applications

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

Commonly used in the following applications:

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

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.
 - BSPPm valve connections are standard. Flanged or other connections are available upon request.
 - Cataphoresis 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 0.18kW to 0.75kW.
- Standard 3 phase voltages are 220-240V(Δ) 380-415 (Y) 50Hz / 220-280V(Δ) 380-480 (Y) 60Hz. Standard 1 phase voltage 230V-50Hz. Motors are available to meet a wide range of alternative specifications including: ATEX; different voltages, frequencies, higher insulation standards 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.

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,18 kW	0,25 kW		
BR125N-8	F	58	70	1,5	1,8	40	N.A.	1/2" BSP male	50
	C	96	116	2,4	2,88				
	B	116		3					
BR125N-12	I	35	42	2,7	3,2	40	N.A.	1/2" BSP male	50
	F	58	70	4,5	5,4				
	C	96	116	7,4	8,88				
	B	116		9					
BR125N-18	I	35	42	6,6	7,9	21	40	1/2" BSP male	50
	F	58	70	11	13,2				
	C	96	116	18	21,6				
	B	116		22					
BR125N-25	I	35	42	12,6	15,1	N.A.	22	1/2" BSP male	70
	F	58	70	21	25,2				
	C	96	116	34	40,8				
	B	116		42					
BR125N-30	I	35	42	18	21,6	N.A.	15	1/2" BSP male	70
	F	58	70	30	36				
	C	96	116	49	58,8				
	B	116		60					

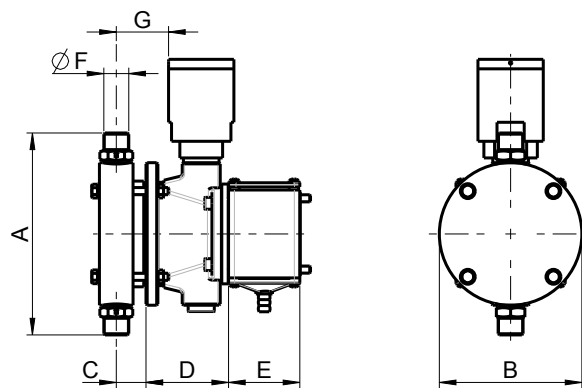
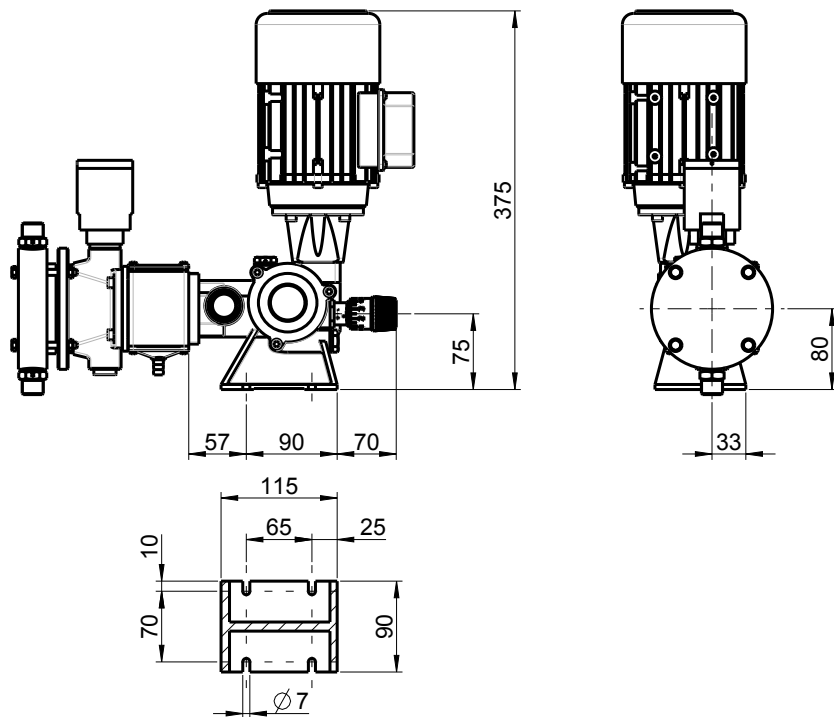
Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max PSV set-up Pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,25 kW	0,37 kW		
BR175N-8	F	70	84	2,6	3,12	40	N.A.	1/2" BSP male	50
	C	96	116	3,5	4,2				
	B	120		4,4					
BR175N-12	F	70	84	7,6	9,12	40	N.A.	1/2" BSP male	50
	C	96	116	10,4	12,4				
	B	120		13					
BR175N-18	F	70	84	18	21,6	40	N.A.	1/2" BSP male	70
	C	96	116	24	28,8				
	B	120		32					
BR175N-25	F	70	84	36	43,2	14	35	1/2" BSP male	70
	C	96	116	49	58,8				
	B	120		61					
BR175N-30	F	70	84	51	61,2	N.A.	24	1/2" BSP male	70
	C	96	116	69	82,8				
	B	120		88					
BR175N-40	F	70	84	92	110,4	N.A.	13	1/2" BSP male	90
	C	96	116	126	151,2				
	B	120		158					
BR175N-50	F	70	84	144	172,8	N.A.	8,5	3/4" BSP male	120
	C	96	116	197	236,4				
	B	120		247					

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max PSV set-up Pressure (Bar)		Connection	Diaphragm Ø (mm)
		50 Hz	60 Hz	50 Hz	60 Hz	0,55 kW	0,75 kW		
BR250N-40	F	56	67	105	126	15,7	20,7	¾" BSP male	120
	C	96	116	180	216				
	B	112		210					
BR250N-50	F	56	67	165	198	9,9	13,2	¾" BSP male	120
	C	96	116	282	338				
	B	112		330					
BR250N-55	F	56	67	200	240	9	10,8	¾" BSP male	120
	C	96	116	342	410				
	B	112		400					
BR250N-65	F	56	67	278	333.6	N.A.	7,9	1" BSP male	160
	C	96	116	476	571.2				
	B	112		556					

Wetted parts code for standard materials

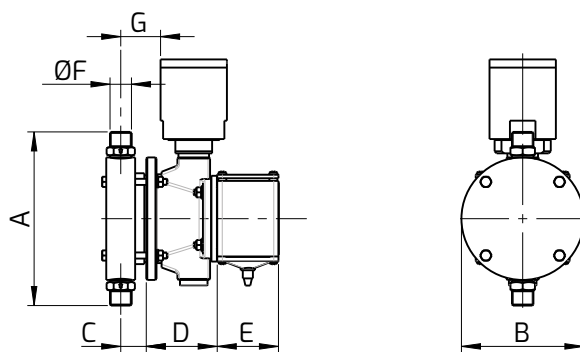
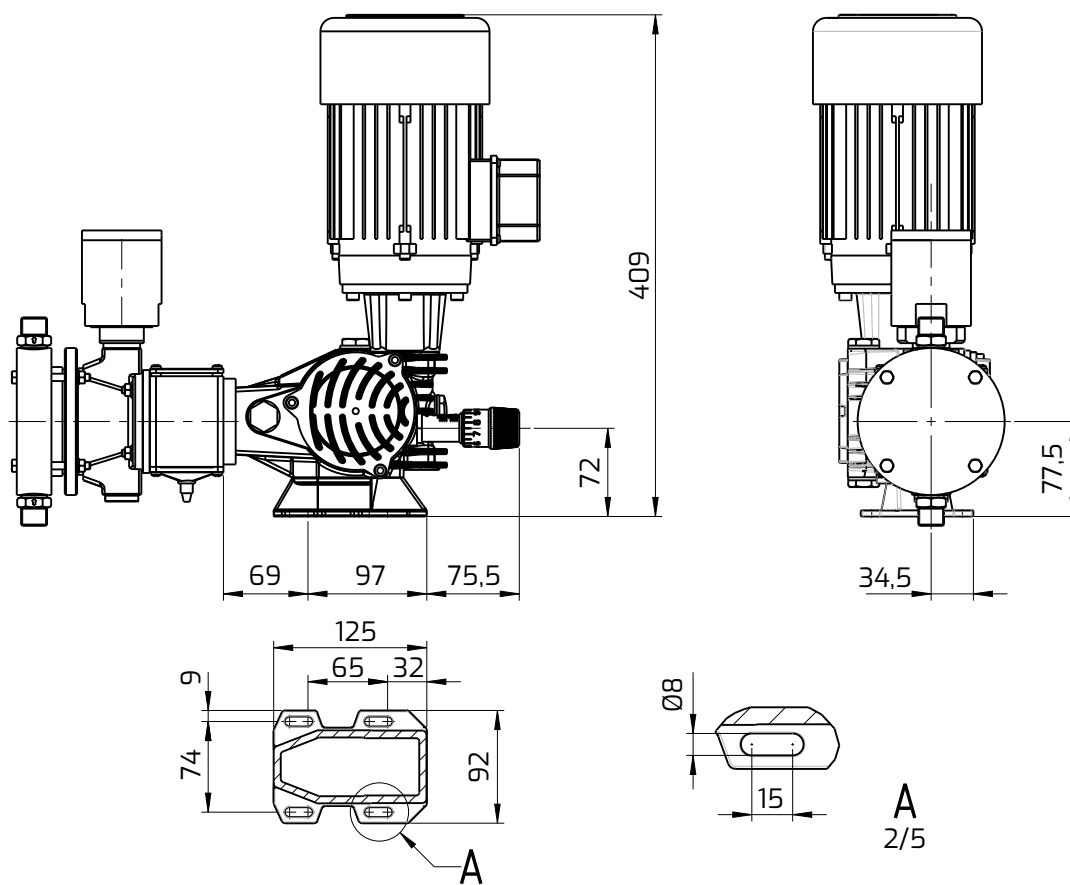
Standard construction materials (wetted parts only)					
Material codes	Pump head	Diaphragm	Valve ball	Valve seat	Valve gasket
01	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM

BR125N



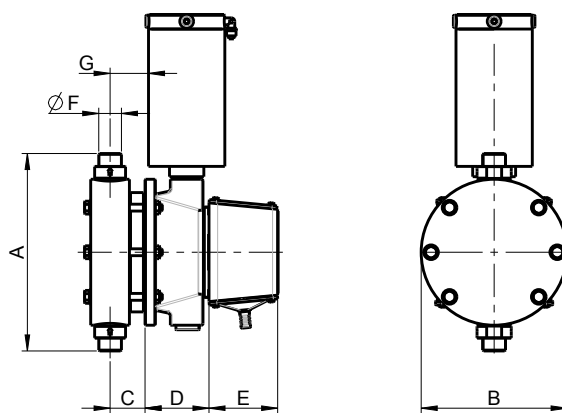
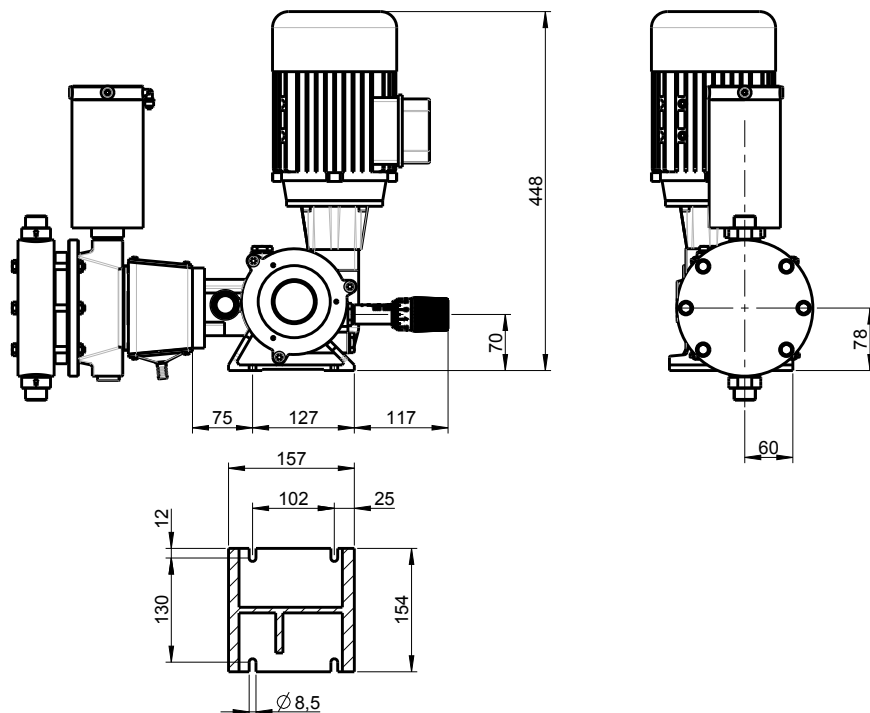
Pump model	Execution INOX							
	A	B	C	D	E	G	øF	Kg
BR 125N-08	156	100	23	69,5	60	42	1/2" Gm	11
BR 125N-12	156	100	23	69,5	60	42	1/2" Gm	11
BR 125N-18	156	100	25	69,5	60	42	1/2" Gm	11
BR 125N-25	170	120	25	69,5	60	42	1/2" Gm	12
BR 125N-30	170	120	25	69,5	60	42	1/2" Gm	12

BR175N

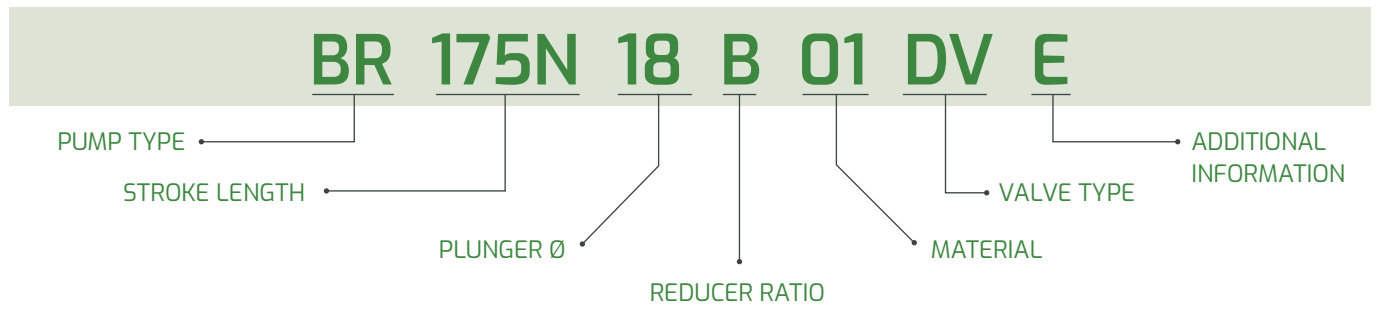


Pump model	Execution INOX							
	A	B	C	D	E	G	øF	Kg
BR 175N-08	156	100	23	69,5	60	42	1/2" Gm	12,5
BR 175N-12	156	100	23	69,5	60	42	1/2" Gm	12,5
BR 175N-18	176	120	25	69,5	60	44	1/2" Gm	13,5
BR 175N-25	170	120	25	69,5	60	44	1/2" Gm	13,5
BR 175N-30	170	120	25	69,5	60	39	1/2" Gm	13,5
BR 175N-40	180	130	30	69,5	60	43,5	1/2" Gm	14,5
BR 175N-50	230	170	41	74,5	80	44	3/4" Gm	21

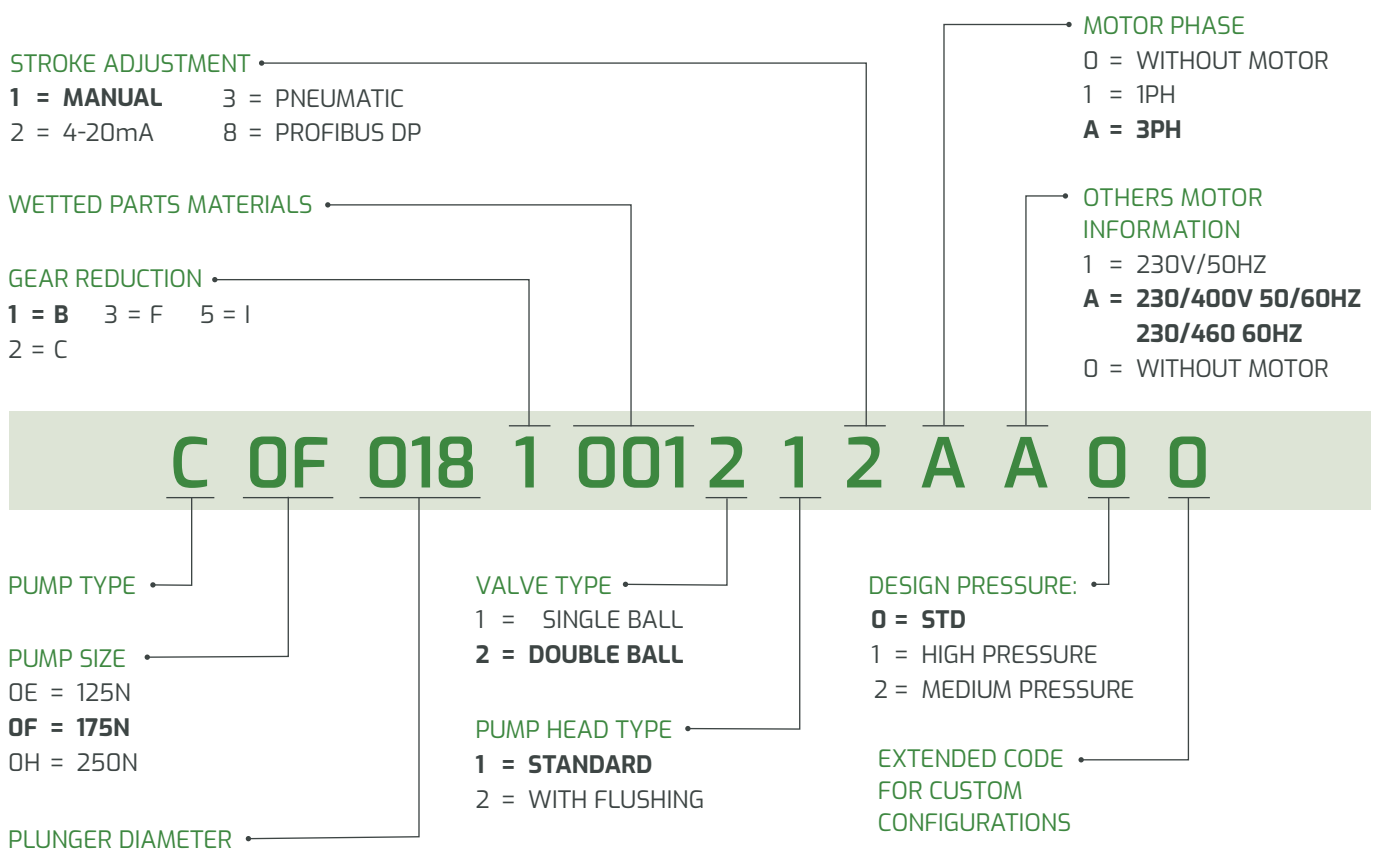
BR250N



Pump model	Execution INOX							Kg
	A	B	C	D	E	G	$\varnothing F$	
BR 250N-40	230	170	41	74,5	80	44	3/4" Gm	28,5
BR 250N-50	230	170	41	74,5	80	44	3/4" Gm	29
BR 250N-55	230	170	41	80,5	80	44	3/4" Gm	29
BR 250N-65	320	210	50,5	97,5	80	73	1" Gm	39



How to read the pump code



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