DATA SHEET

Doseuro
METERING PUMP SOLUTIONS

BEDU POMPEN

Metering pumps Model A

Doseuro models A are used in the most severe duty applications. Plunger pumps are the best solution when:

PUMPED LIQUID DOES NOT CONTAIN SUSPENDED SOLIDS

LEAKAGE IS ACCEPTABLE

HIGH PRESSURE IS REQUIRED

Applications

Injection of chemicals as coagulant, fertilizer, acids, polymers, oxygen scavanger, 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
- 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.

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar) 0,18 kW		Connection
		50 Hz	60 Hz	50 Hz	60 Hz	S.S.316	Plastic	
A125N-6	F	58	70	0.8	1	20	10	1/2" BSP male
	C	96	116	1.3	1.56			
	B	116		1.6				
A125N-11	I	35	42	2.4	2.8	20	10	1/2" BSP male
	F	58	70	4	4.8			
	C	96	116	6	7.2			
	B	116		8				
A125N-18	I	35	42	6	7.2	20	10	1/2" BSP male
	F	58	70	10	12			
	C	96	116	16	19,2			
	B	116		20				
A125N-25	I	35	42	13.2	15.8	20	10	1/2" BSP male
	F	58	70	22	26.4			
	C	96	116	36	43,2			
	B	116		44				
A125N-30	I	35	42	18.7	22.4	14	10	1/2" BSP male
	F	58	70	31	37.2			
	C	96	116	51	61,2			
	B	116		62				
A125N-38	I	35	42	30	36	9		1/2" BSP male
	F	58	70	50	60			
	C	96	116	82	98,4			
	B	116		100				
A125N-47	I	35	42	47	56	5,5		1/2" BSP male
	F	58	70	78	93.6			
	C	96	116	129	154,8			
	B	116		156				
A125N-47M	I	35	42	47	56	5,5		3/4" BSP male
	F	58	70	78	93.6			
	C	96	116	129	154,8			
	B	116		156				

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)				Connection
						S.S.316		Plastic		
		50 Hz	60 Hz	50 Hz	60 Hz	0,25 kW	0,37 kW	0,25 kW	0,37 kW	
A175N-6	F	70	84	1,3	1,56	20		10		1/2" BSP male
	C	96	116	1,7	2,11					
	B	120		2,2						
A175N-11	F	70	84	6	7,2	20		10		1/2" BSP male
	C	96	116	8	9,6					
	B	120		10						
A175N-18	F	70	84	17	20,4	20		10		1/2" BSP male
	C	96	116	24	28					
	B	120		30						
A175N-25	F	70	84	37	44,4	20		10		1/2" BSP male
	C	96	116	51	61,4					
	B	120		64						
A175N-30	F	70	84	52	62,4	20		10		1/2" BSP male
	C	96	116	72	86					
	B	120		90						
A175N-38	F	70	84	83	99,6	13	20	10		1/2" BSP male
	C	96	116	115	138					
	B	120		144						
A175N-47	F	70	84	130	156	8,5	13	8,5	10	1/2" BSP male
	C	96	116	180	216					
	B	120		226						
A175N-47M	F	70	84	130	156	8,5	13	8,5	10	3/4" BSP male
	C	96	116	180	216					
	B	120		226						
A175N-54	F	70	84	168	201,6	6,5	10	6,5	10	3/4" BSP male
	C	96	116	232	278					
	B	120		290						
A175N-64	F	70	84	236	283,2	4,5	7	4,5	7	3/4" BSP male
	C	96	116	326	391					
	B	120		408						

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)				Connection
						S.S.316		Plastic		
		50 Hz	60 Hz	50 Hz	60 Hz	0,55 kW	0,75 kW	0,55 kW	0,75 kW	
A250N-25	F	56	67	43	51.6	20		N.A.		1/2" BSP male
	C	96	116	73	88					
	B	112		86						
A250N-38	F	56	67	96	115,2	20		N.A.		1/2" BSP male
	C	96	116	164	197,5					
	B	112		192						
A250N-47	F	56	67	150	180	17	20	10		3/4" BSP male
	C	96	116	257	308					
	B	112		300						
A250N-54	F	56	67	192	230,4	13	17	10		3/4" BSP male
	C	96	116	329	395					
	B	112		384						
A250N-64	F	56	67	266	319,2	9,5	12	9,5	10	1" BSP male
	C	96	116	456	547,2					
	B	112		532						
A250N-76	F	56	67	383	459,6	6,5	8,6	6,5	8,6	1" BSP male
	C	96	116	656	787,8					
	B	112		766						
A250N-89	F	56	67	521	625,2	4,8	6,3	4,8	6,3	1" BSP male
	C	96	116	893	1072					
	B	112		1042						
A350N-89	F	56	67	729	874	N.A.	4	N.A.	4	1 1/2" BSP male
	C	96	116	1249	1498					
	B	112		1458						

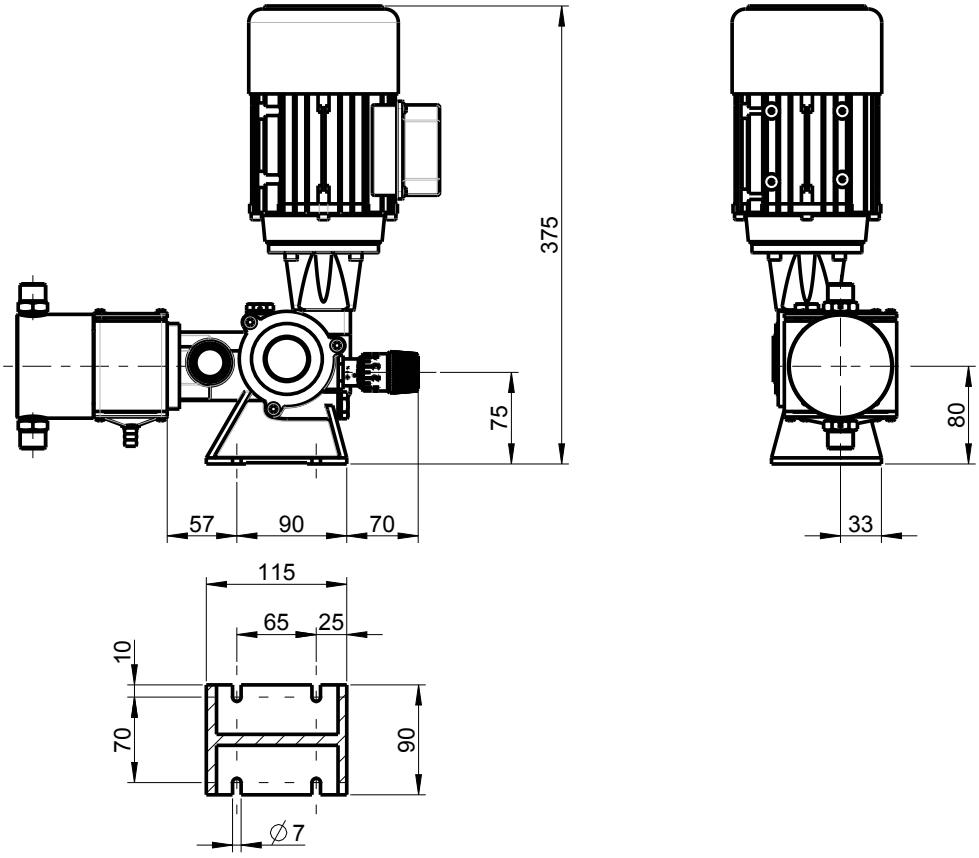
Wetted parts code for standard materials

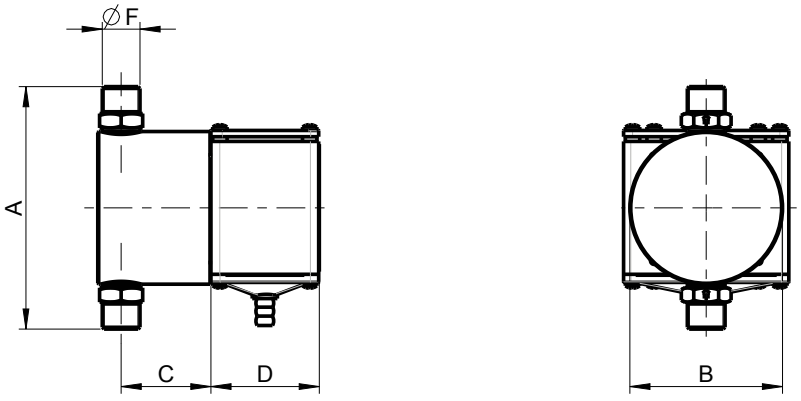
Standard construction materials (wetted parts only)

Material codes	Pump head	Plunger	Plunger gasket	Valve ball	Valve seat	Valve gasket
11	S.S.316L	S.S.316L	NBR	S.S.316L	S.S.316L	FPM
13	PVC	Ceramic	FPM	Pyrex	PVDF	FPM
17	S.S.316L	Ceramic	FPM	S.S.316L	S.S.316L	FPM
19	S.S.316L	S.S.316L	FPM	S.S.316L	S.S.316L	FPM
20	PVC	S.S.316L	NBR	Pyrex	PVDF	FPM
21	S.S.316L	S.S.316L	PTFE	S.S.316L	S.S.316L	FPM

Dimensions

A125N

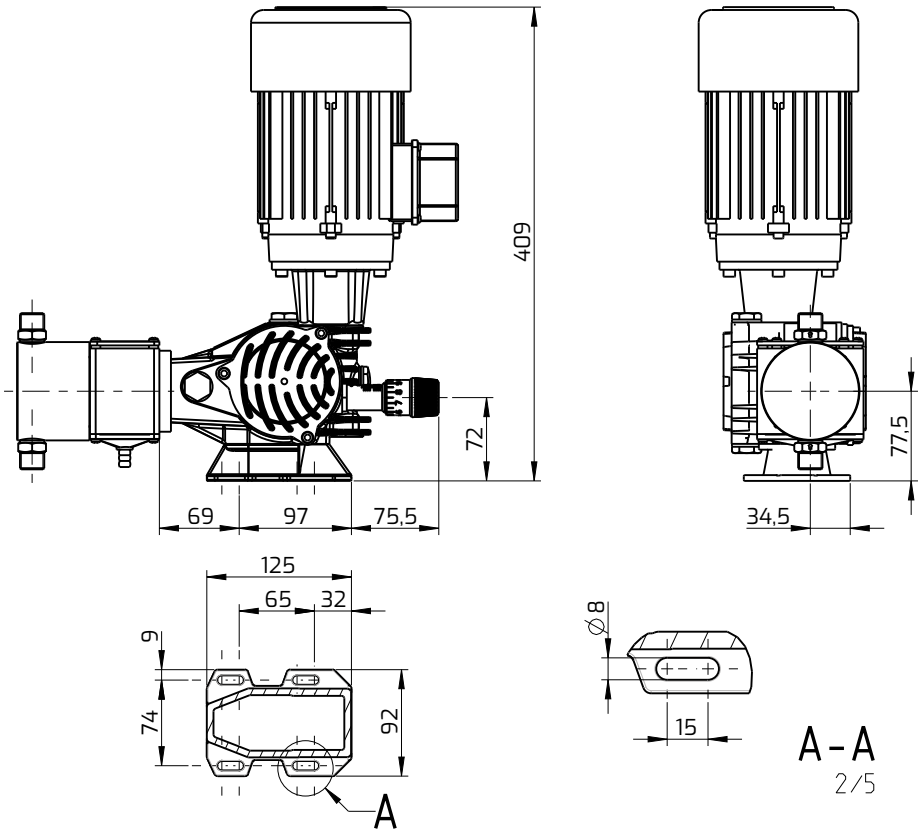


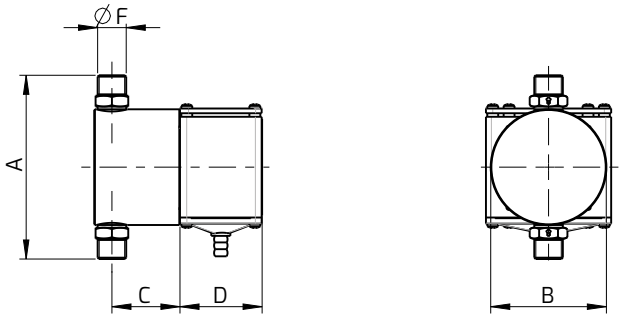


Pump model	Execution INOX						Plastic Configuration					
	A	B	C	D	øF	Kg	A	B	C	D	øF	Kg
A 125N-06	126	70	40	60	1/2" Gm	8,5	139	75	40	60	1/2" Gm	8
A 125N-11	126	70	40	60	1/2" Gm	8,5	139	75	40	60	1/2" Gm	8
A 125N-18	126	70	35	60	1/2" Gm	8,5	139	75	42	60	1/2" Gm	8
A 125N-25	126	70	40	60	1/2" Gm	9	144	80	41	60	1/2" Gm	8
A 125N-30	120	70	40	60	1/2" Gm	9	191	91	41	60	1/2" Gm	8
A 125N-38	135	85	49	60	1/2" Gm	10	200	100	53	60	1/2" Gm	8,5
A 125N-47	135	85	50	60	1/2" Gm	9	200	100	53	60	1/2" Gm	9
A 125N-47 M	153	95	50	60	3/4" Gm	11,5	171	110	53	60	3/4" Gm	10

Dimensions

A175N

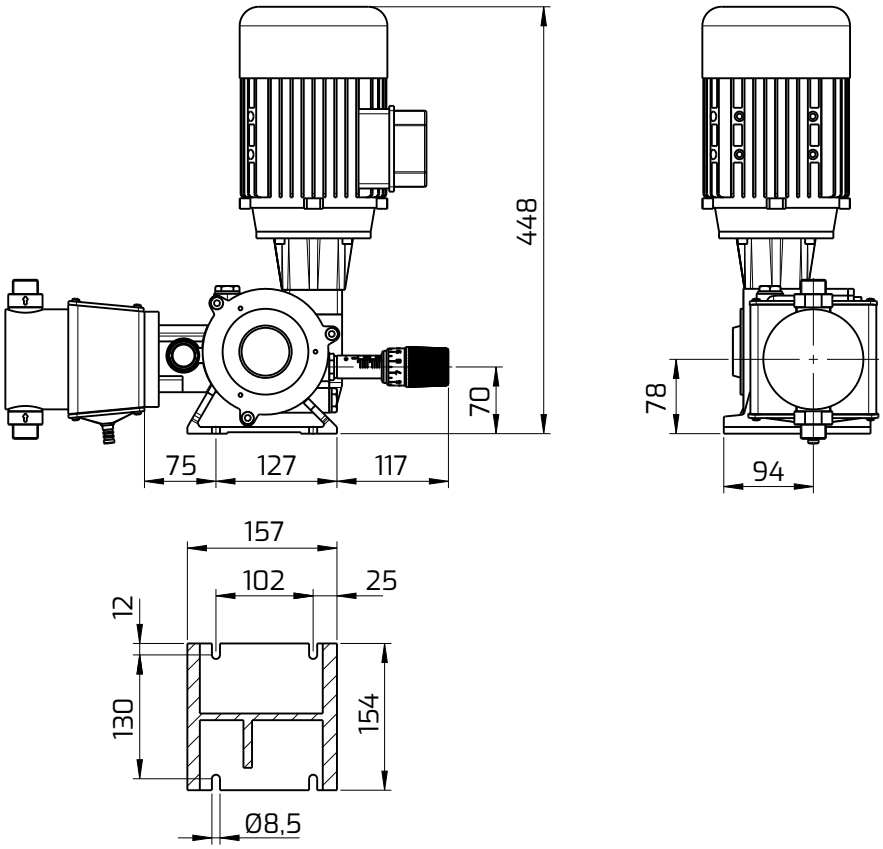


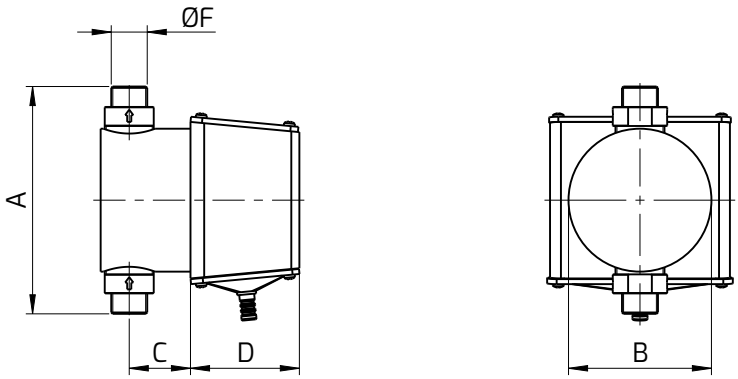


Pump model	Execution INOX						Execution Plastic					
	A	B	C	D	øF	Kg	A	B	C	D	øF	Kg
A 175N-06	126	70	40	60	1/2" Gm	10,5	139	75	40	60	1/2" Gm	9,5
A 175N-11	126	70	40	60	1/2" Gm	10,5	139	75	40	60	1/2" Gm	9,5
A 175N-18	126	70	35	60	1/2" Gm	10	139	75	42	60	1/2" Gm	9,5
A 175N-25	126	70	40	60	1/2" Gm	10	144	80	41	60	1/2" Gm	9
A 175N-30	120	70	40	60	1/2" Gm	11,5	191	91	41	60	1/2" Gm	9,5
A 175N-38	135	85	49	60	1/2" Gm	11	200	100	53	60	1/2" Gm	10
A 175N-47	135	85	50	60	1/2" Gm	10,5	200	100	53	60	1/2" Gm	9,5
A 175N-47 M	153	95	50	60	3/4" Gm	13,5	171	110	53	60	3/4" Gm	11,5
A 175N-54	171	109	50	80	3/4" Gm	15	181	120	55	80	3/4" Gm	12,5
A 175N-64	171	109	55	80	3/4" Gm	15,5	181	120	60	0	3/4" Gm	12,5

Dimension

A250N

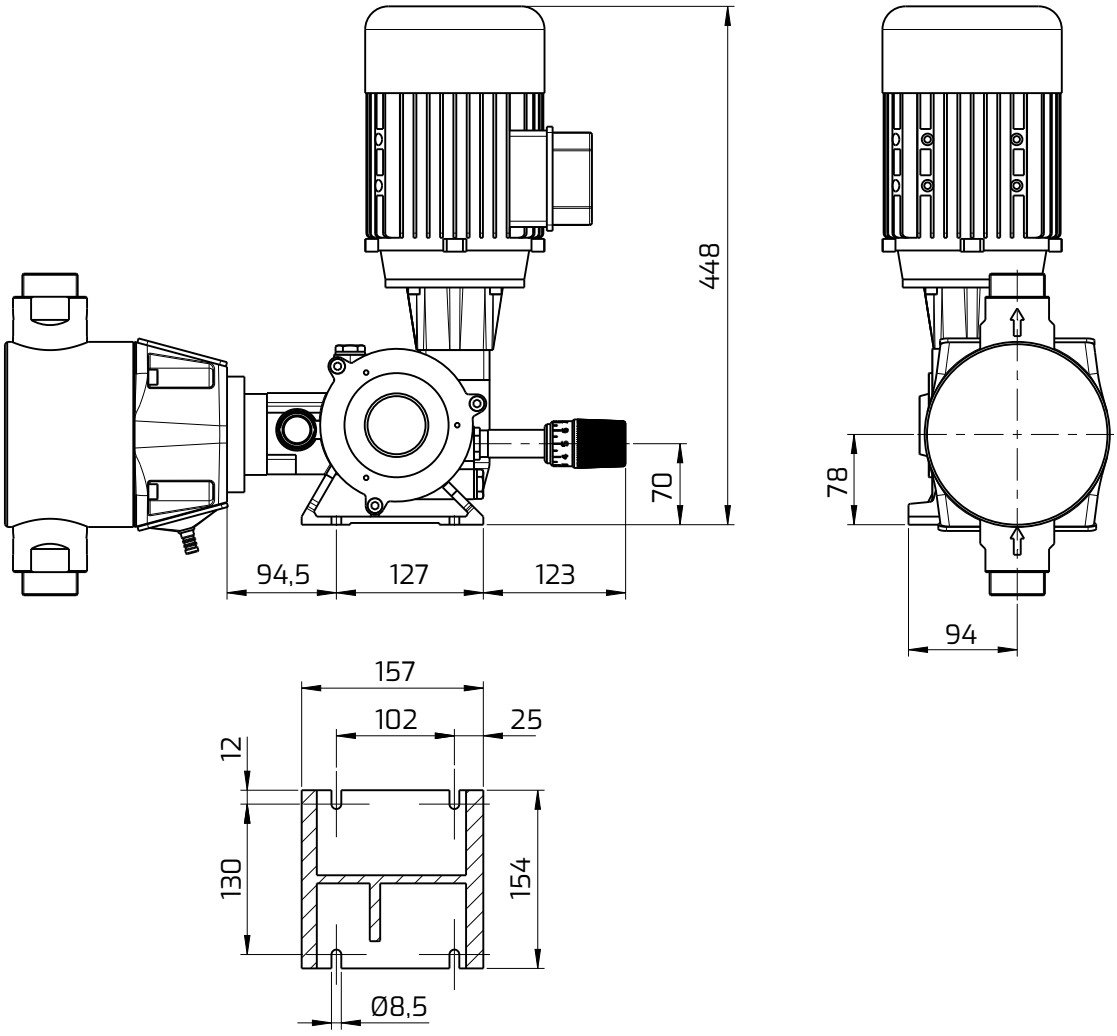


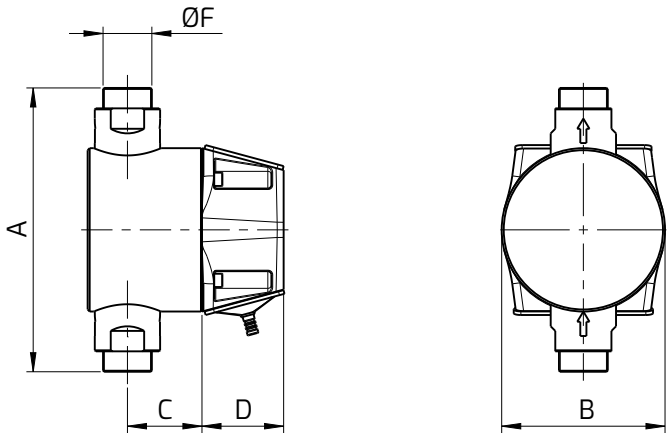


Pump model	Execution INOX						Execution Plastic					
	A	B	C	D	øF	Kg	A	B	C	D	øF	Kg
A 250N-25	155	105	28	80	1/2" Gm	20,5	-	-	-	-	-	-
A 250N-38	155	105	45	80	1/2" Gm	21,5	-	-	-	-	-	-
A 250N-47	165	106	45	80	3/4" Gm	22	181	120	45	80	3/4" Gm	19
A 250N-54	171	109	60	80	3/4" Gm	23	191	130	55	80	3/4" Gm	19,5
A 250N-64	224	120	60	80	1" Gm	25,5	237	140	70	80	1" Gm	21
A 250N-76	236	130	65	80	1" Gm	27	237	140	70	80	1" Gm	21,5
A 250N-89	250	140	65	80	1" Gm	30	250	152	73	80	1" Gm	24

Dimension

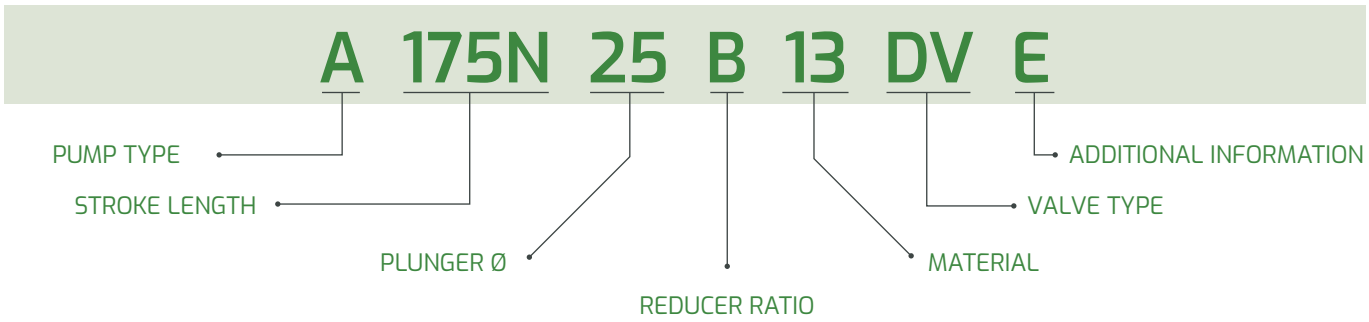
A350N



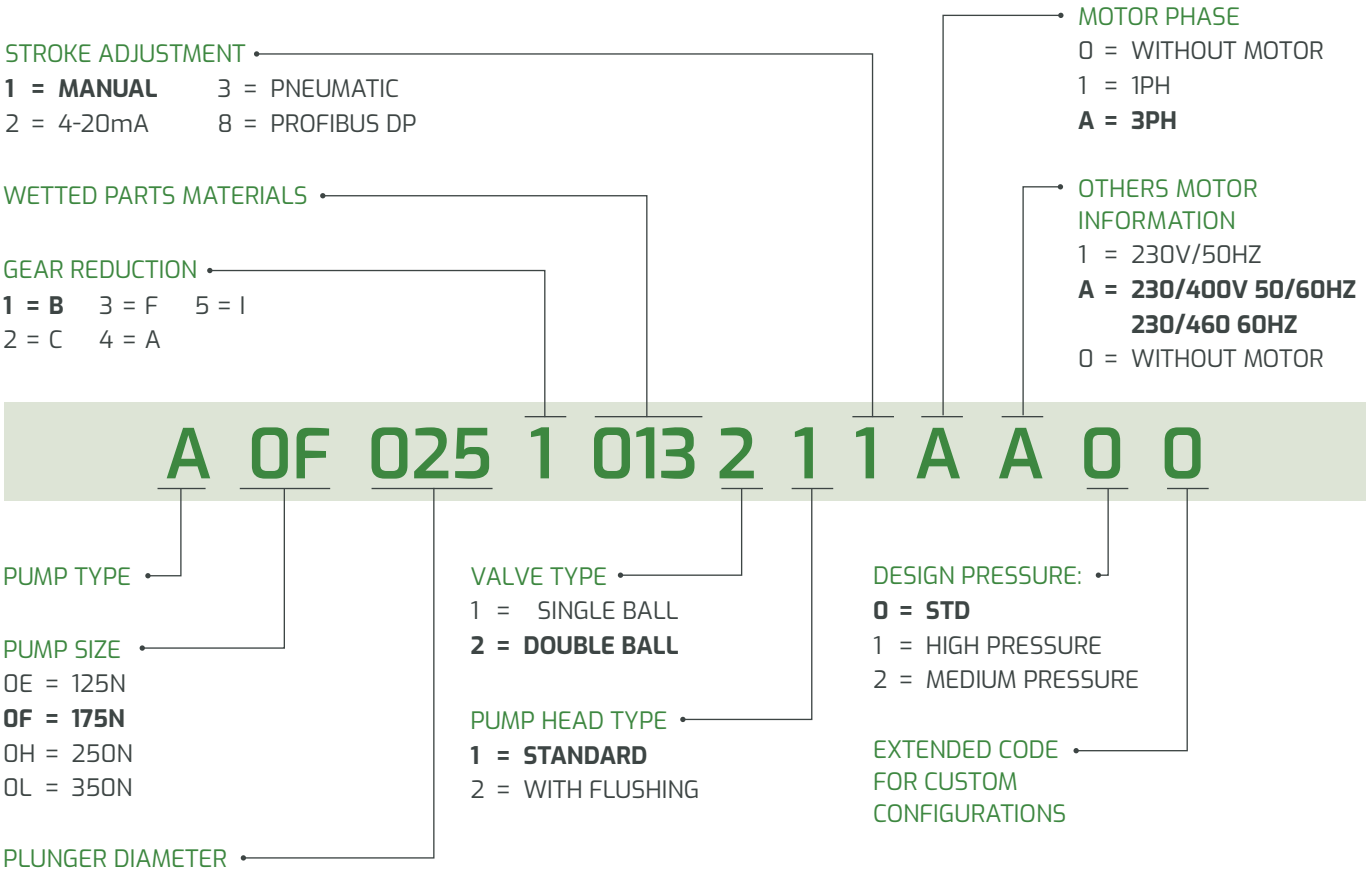


Pump model	Execution INOX						Execution Plastic					
	A	B	C	D	øF	Kg	A	B	C	D	øF	Kg
A 350N-89	278	160	73	80	1 1/2" Gm	37	290	170	73	80	1 1/2" Gm	27,5

How to read the pump model



How to read the pump code



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

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DATA SHEET

Doseuro
METERING PUMP SOLUTIONS

BEDU POMPEN

Metering pumps Model A for high pressure

Doseuro models A are used in the most severe duty applications. Plunger pumps are the best solution when:

PUMPED LIQUID DOES NOT CONTAIN SUSPENDED SOLIDS

LEAKAGE IS ACCEPTABLE

HIGH PRESSURE IS REQUIRED

Applications

Injection of chemicals as oxygen scavanger, amine, trisodium phosphate and much more.

Commonly used in the following applications:

- Chemical industry
- Cooling towers
- Power plants

Features

- Simplex and multi-head version 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.

General specifications

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection
		50 Hz	60 Hz	50 Hz	60 Hz	0,18 kW	0,25 kW	
A125N-8	I	35	42	1,1	1,1	95	230	1/2" BSP male
	F	58	70	1,9	1,9			
	C	96	116	3,1	3,1			
	B	116		3,7	3,7			
A125N-12	I	35	42	2,6	2,6	88	170	1/2" BSP male
	F	58	70	4,4	4,4			
	C	96	116	7,2	7,2			
	B	116		8,6	8,6			
A125N-14	I	35	42	3,6	3,6	65	125	1/2" BSP male
	F	58	70	6	6			
	C	96	116	9,9	9,9			
	B	116		11,8	11,8			
A125N-16	I	35	42	4,7	4,7	50	96	1/2" BSP male
	F	58	70	7,8	7,8			
	C	96	116	13	13			
	B	116		15,6				

Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection
		50 Hz	60 Hz	50 Hz	60 Hz	0,18 kW	0,25 kW	
A175N-8	F	70	84	3,3	3,9	95	230	1/2" BSP male
	C	96	116	4,5	5,4			
	B	120		5,6				
A175N-12	F	70	84	7,4	8,8	95	230	1/2" BSP male
	C	96	116	10,1	12,1			
	B	120		12,6				
A175N-14	F	70	84	11,3	13,5	95	171	1/2" BSP male
	C	96	116	15,4	18,4			
	B	120		19,3				
A175N-18	F	70	84	14,7	17,6	75	131	1/2" BSP male
	C	96	116	20,1	24,1			
	B	120		25,2				
A175N-18	F	70	84	16,8	20,1	59	102	1/2" BSP male
	C	96	116	23	27,6			
	B	120		28,6				

General specifications

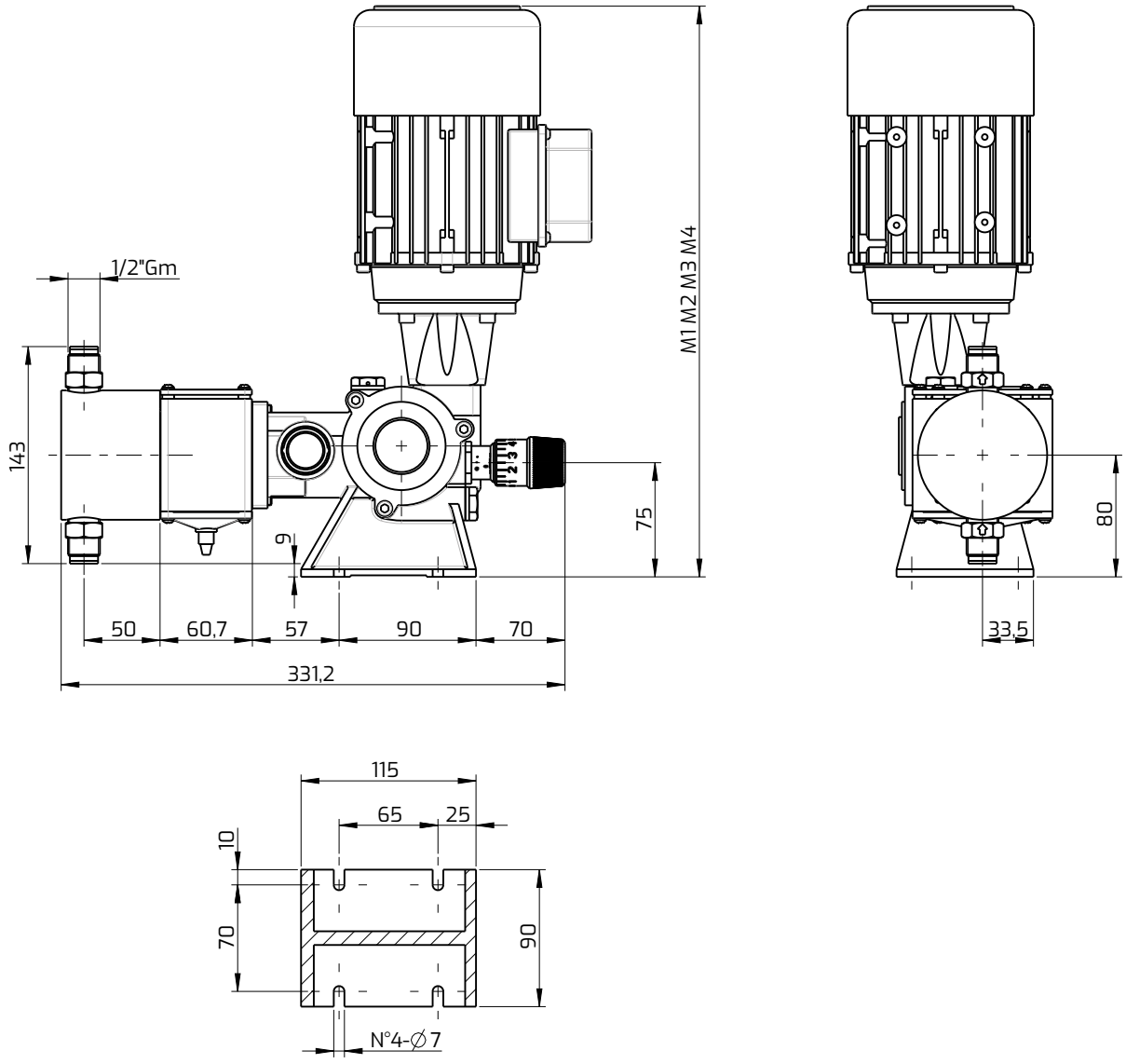
Pump model	Type	Reducer ratio (SPM)		Capacity (Lt/H)		Max pressure (Bar)		Connection
		50 Hz	60 Hz	50 Hz	60 Hz	0,55 kW	0,75 kW	
A250N-12	F	56	67	8.5	10.2	95	230	1/2" BSP male
	C	96	116	14.5	17.4			
	B	112		16.9				
A250N-14	F	56	67	11.6	13.9	95	230	1/2" BSP male
	C	96	116	19.8	23.8			
	B	112		23.1				
A250N-16	F	56	67	15.1	18.2	95	196	1/2" BSP male
	C	96	116	25.8	31			
	B	112		30				
A250N-18	F	56	67	19.2	23	95	155	1/2" BSP male
	C	96	116	32.9	39.4			
	B	112		38.3				
A250N-20	F	56	67	23.7	28.4	95	126	1/2" BSP male
	C	96	116	40.6	48.7			
	B	112		47.3				
A250N -22	F	56	67	28.7	34.4	79	104	1/2" BSP male
	C	96	116	49.2	59			
	B	112		57.4				

Wetted parts code for standard materials

Standard construction materials (wetted parts only)						
Material codes	Pump head	Plunger	Plunger gasket	Valve ball	Valve seat	Valve gasket
82	S.S.316L	S.S.316 (K22)	PTFE/FKM	Ceramic	S.S.316L	PTFE or similar

Dimensions

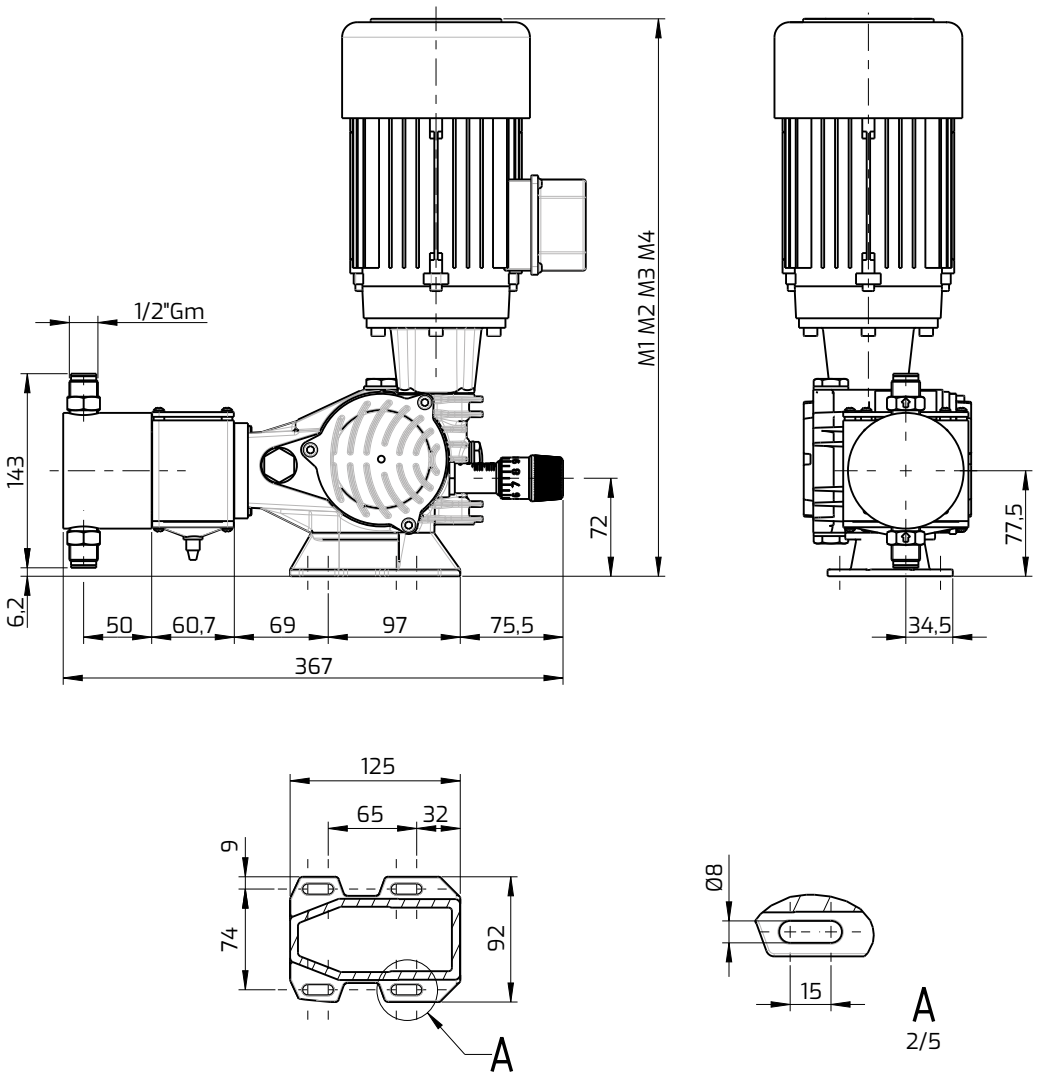
A125N



Pump model	Electric motor							
	0,18 kW		0,25 kW		0,18 kW ATEX		0,25 kW ATEX	
	M1	Kg	M2	Kg	M3	Kg	M4	Kg
A 125N-06	377	10,6	391	11,4	404	22,4	426	25,4
A 125N-08	377	10,6	391	11,4	404	22,4	426	25,4
A 125N-12	377	10,6	391	11,4	404	22,4	426	25,4
A 125N-14	377	10,7	391	11,5	404	22,5	426	25,5
A 125N-16	377	10,7	391	11,5	404	22,5	426	25,5

Dimensions

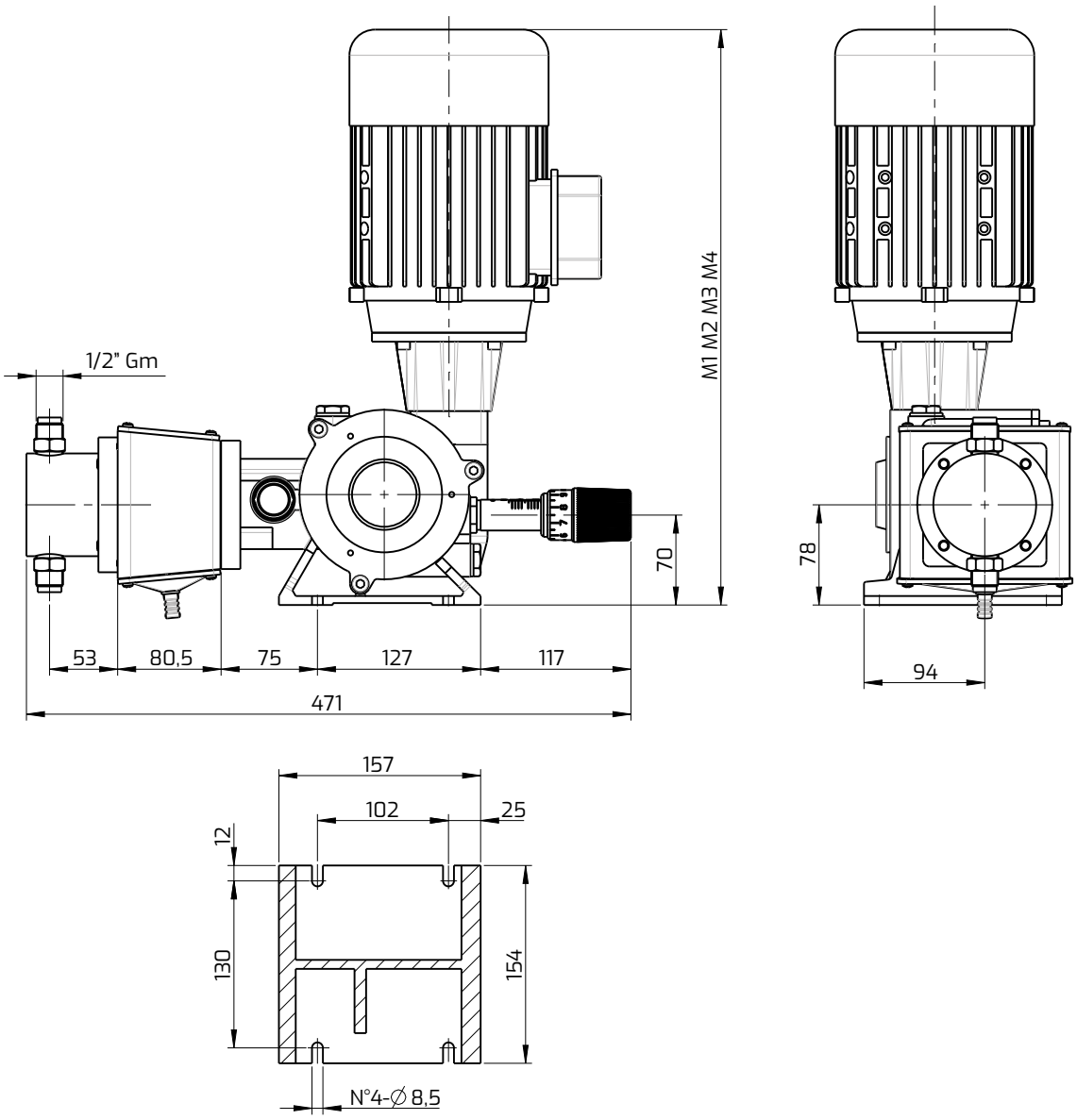
A175N



Pump model	Electric motor							
	0,18 kW		0,25 kW		0,18 kW ATEX		0,25 kW ATEX	
	M1	Kg	M2	Kg	M3	Kg	M4	Kg
A 175N-06	377	10,6	391	11,4	404	22,4	426	25,4
A 175N-08	377	10,6	391	11,4	404	22,4	426	25,4
A 175N-12	377	10,6	391	11,4	404	22,4	426	25,4
A 175N-14	377	10,6	391	11,4	404	22,4	426	25,4
A 175N-16	377	10,7	391	11,5	404	22,5	426	25,5
A 175N-18	377	10,7	391	11,5	404	22,5	426	25,5

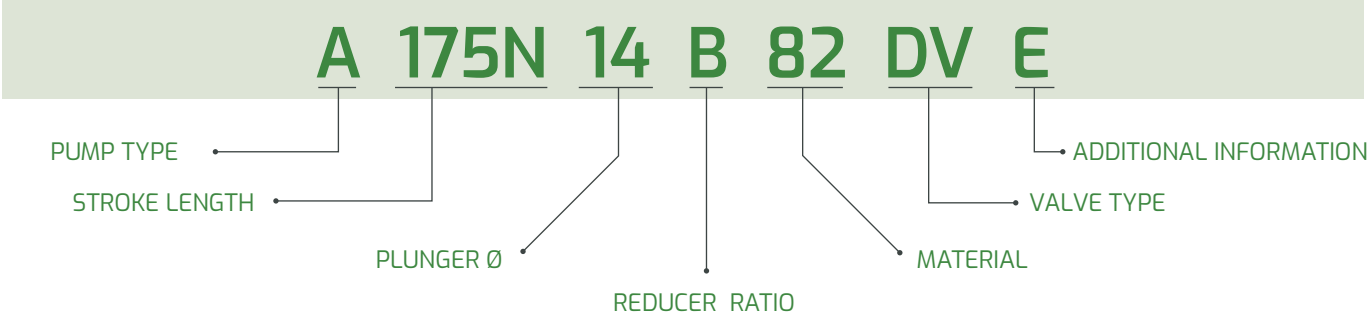
Dimension

A250N



Pump model	Electric motor							
	0,55 kW		0,75 kW		0,55 kW ATEX		0,75 kW ATEX	
	M1	Kg	M2	Kg	M3	Kg	M4	Kg
A 250N-08	466	20,6	466	22.1	499	48.5	499	48.5
A 250N-12	466	20,6	466	22.1	499	48.5	499	48.5
A 250N-14	466	20,6	466	22.1	499	48.5	499	48.5
A 250N-16	466	20,7	466	22.2	499	48.6	499	48.6
A 250N-18	466	20,7	466	22.2	499	48.6	499	48.6
A 250N-20	466	20,7	466	22.2	499	48.6	499	48.6
A 250N-22	466	20,7	466	22.2	499	48.6	499	48.6
A 250N-25	466	20,7	466	22.2	499	48.6	499	48.6

How to read the pump model



How to read the pump code

STROKE ADJUSTMENT
1 = MANUAL 3 = PNEUMATIC
2 = 4-20mA 8 = PROFIBUS DP

WETTED PARTS MATERIALS

GEAR REDUCTION
1 = B 3 = F 5 = I
2 = C 4 = A

MOTOR PHASE
0 = WITHOUT MOTOR
1 = 1PH
A = 3PH

OTHERS MOTOR INFORMATION
1 = 230V/50HZ
A = 230/400V 50/60HZ
230/460 60HZ
0 = WITHOUT MOTOR

A OF 014 1 082 2 1 1 A A 0 0

PUMP TYPE

PUMP SIZE
0E = 125N
OF = 175N
0H = 250N
0L = 350N

PLUNGER DIAMETER

VALVE TYPE
1 = SINGLE BALL
2 = DOUBLE BALL

PUMP HEAD TYPE
1 = STANDARD
2 = WITH FLUSHING

DESIGN PRESSURE:
0 = STD
1 = HIGH PRESSURE
2 = MEDIUM PRESSURE

EXTENDED CODE FOR CUSTOM CONFIGURATIONS

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

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