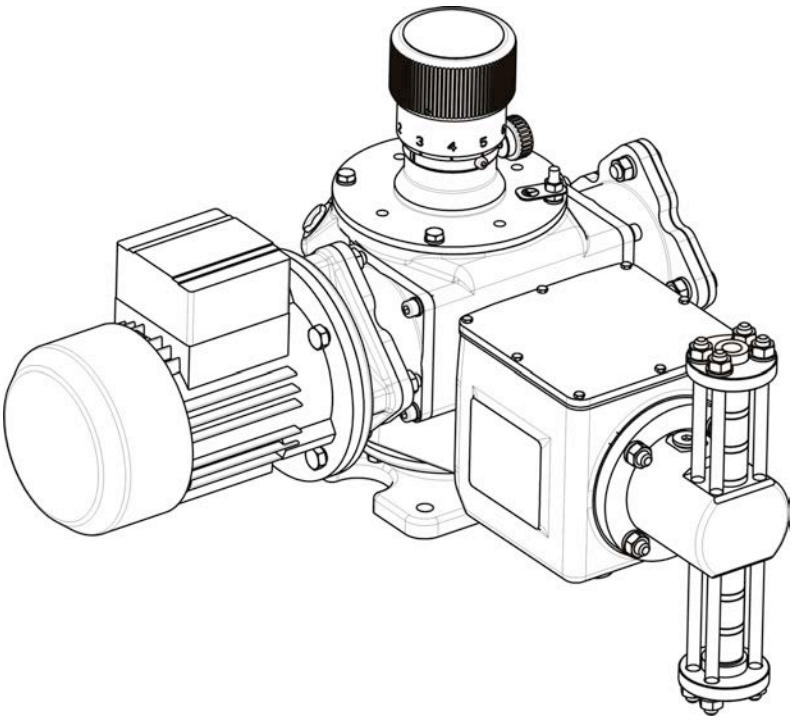


Technical characteristics

- Flow rates: from 0,586 to 60,6 lph @ 50Hz
- Max Pressure: 4 MPa (40 bar)
- Ambient temperature: -10 °C + 40 °C
- Max altitude: 1000 m (A.S.L.)
- Fluid operating temperature: -10 °C + 70 °C
- Viscosity up to 1000 mPa•s (1000 cP) (Higher on request)
- Stroke adjustment during operation from 0 to 100%
- Accuracy ± 1 % on the turndown ratio 10:1
- Multiheads (up to six) solutions
- API 675 compliance
- CE marking
- ATEX Ⓔx II 2 G c IIB T4 compliance
- Protection: IP 55
- Epoxy painting at 125 micron

nexa series includes plunger and hydraulic diaphragm dosing pumps designed in compliance with **API 675 Standards**; the conformity to the API Standards implies a “heavy duty” design, high safety and severe controls of the performances during the tests. The broad variety of heads execution offers a wide selection of dosing pumps to cover practically any application needs. In addition the full compliance with the **ATEX** European Directive gives the possibility to install these pumps in classified areas too.

Mechanism

Available in different sizes, they are mechanical return type, giving the maximum reliability in all working conditions.

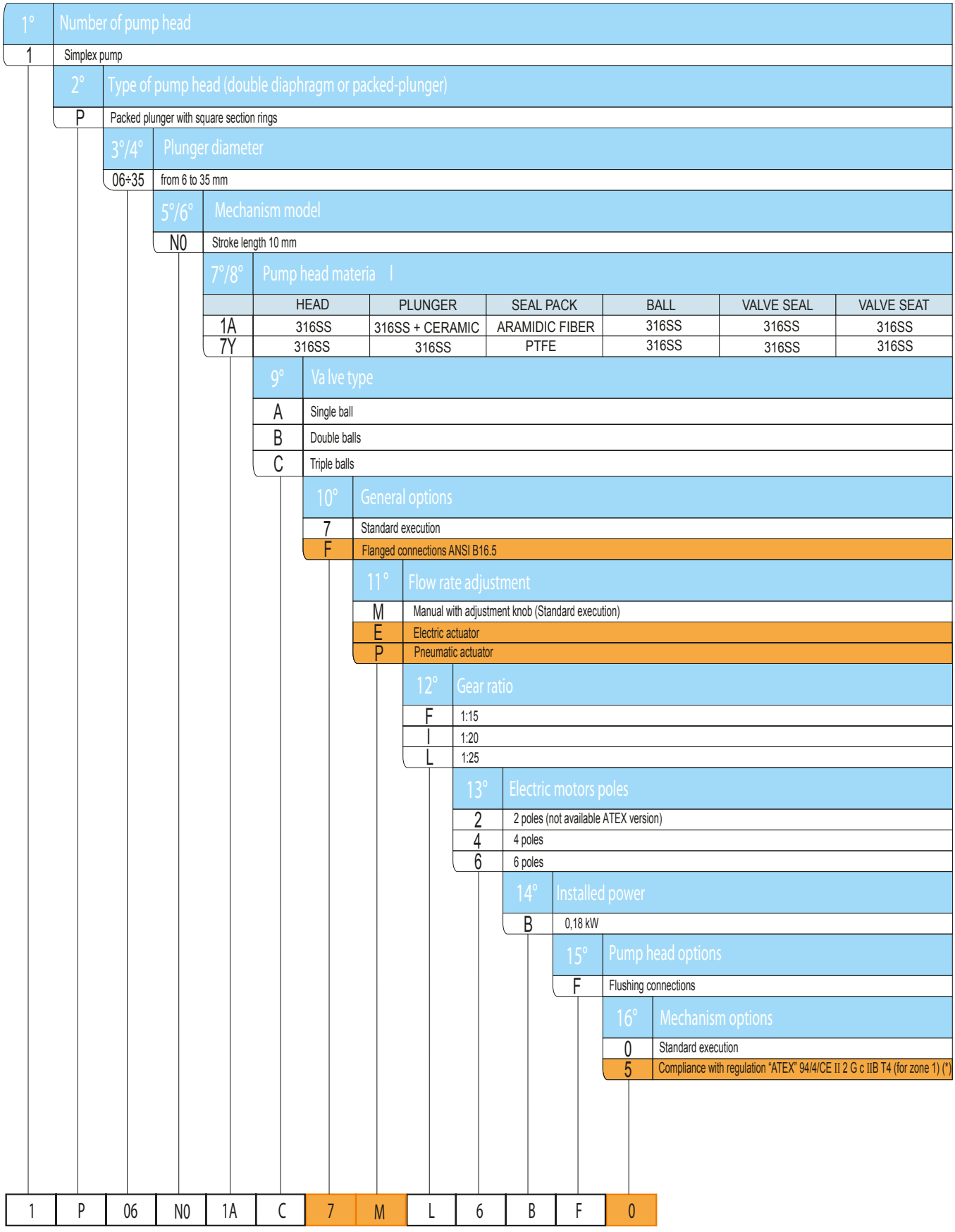
General Specifications:

- Low noise integral gearbox, worm type, oil bath lubricated
- Reduced energy consumption based on low friction rolling bearings design
- High flexibility multiple mechanism solution to permit different piston speeds (SPM) on the same group
- Micrometric stroke lenght adjustment both manually and/or automatically actuated.
- Automatic stroke length variation by electrical servomotor, pneumatic actuator or frequency converter.
- Linearity and repeatability in compliance with API 675 Standards.
- Easy “on field” installation of electrical servomotor on manual stroke adjustment mechanism.

Plunger Pumphead:

- Reliable and easy maintenance
- Ready for flushing connection or for leakage recovery system connection
- Plunger coating or mechanical surface hardening for heavy-duty application

PUMP KEY CODE



(*) for toxic, inflammable, hazardous and/or pyrophoric liquids packed plunger pumps are not suitable.

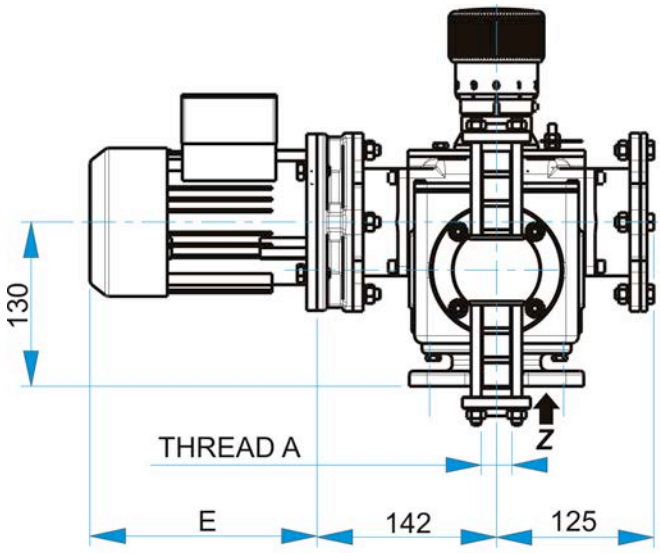
HYDRAULIC CHARACTERISTICS

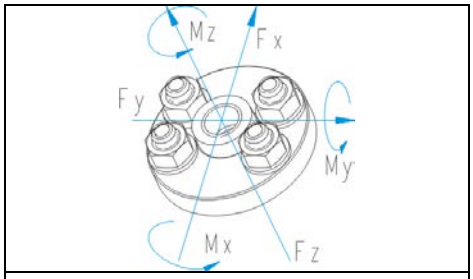
Performances:	50 Hz	60Hz
	0,586/60,6 l/h 40/20 bar	gph 0,186/19,2 p.s.i. 580/290

Liquid end material	316L
Electric motor kW	0,18
Suc/Dis Connec	B

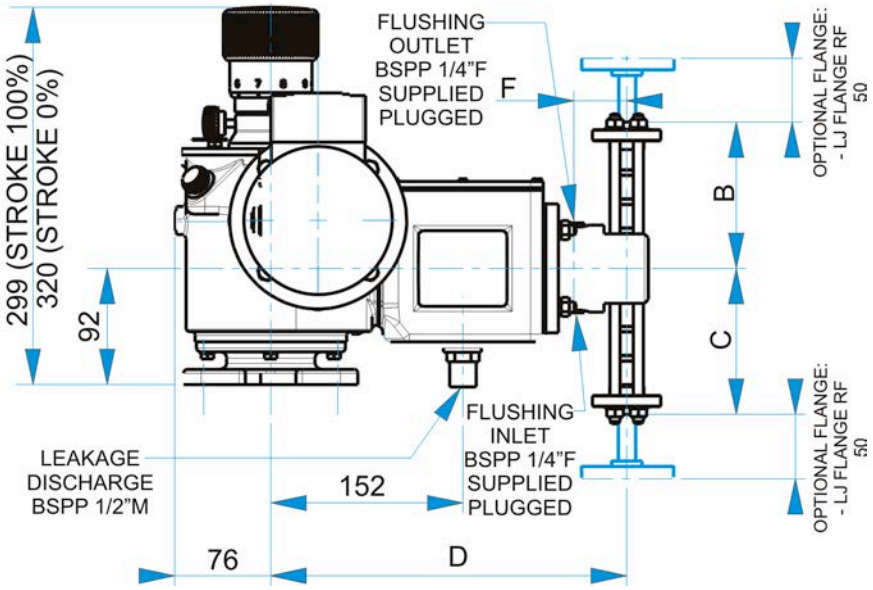
Pump Model	Flow rate at max pressure lph	gph	Max speed Strokes /min	Flow rate at max pressure lph	gph	Max speed Strokes /min	Max pressure bar	p.s.i.	Ø BSPP	NPSHr [barg]
1 P 0 6 N 0 1 A C 7 M L 6 B F 0	0,586	0,155	37	0,703	0,186	44	40	580	1/4" F	-0,50
1 P 0 6 N 0 1 A C 7 M I 6 B F 0	0,745	0,197	47	0,894	0,236	56	40	580	1/4" F	-0,50
1 P 0 6 N 0 1 A C 7 M L 4 B F 0	0,887	0,234	56	1,064	0,281	67	40	580	1/4" F	-0,50
1 P 0 6 N 0 1 A C 7 M I 4 B F 0	1,109	0,293	70	1,331	0,352	84	40	580	1/4" F	-0,50
1 P 0 6 N 0 1 A C 7 M F 4 B F 0	1,474	0,389	93	1,769	0,467	112	40	580	1/4" F	-0,50
1 P 0 6 N 0 1 A C 7 M L 2 B F 0	1,775	0,469	112	2,130	0,563	134	40	580	1/4" F	-0,50
1 P 0 8 N 0 1 A C 7 M I 6 B F 0	1,32	0,35	47	1,59	0,42	56	40	580	1/4" F	-0,50
1 P 0 8 N 0 1 A C 7 M L 4 B F 0	1,58	0,42	56	1,89	0,50	67	40	580	1/4" F	-0,50
1 P 0 8 N 0 1 A C 7 M I 4 B F 0	1,97	0,52	70	2,37	0,63	84	40	580	1/4" F	-0,50
1 P 0 8 N 0 1 A C 7 M F 4 B F 0	2,62	0,69	93	3,14	0,83	112	40	580	1/4" F	-0,50
1 P 0 8 N 0 1 A C 7 M L 2 B F 0	3,16	0,83	112	3,79	1,00	134	40	580	1/4" F	-0,50
1 P 1 0 N 0 1 A C 7 M I 6 B F 0	2,07	0,55	47	2,48	0,66	56	40	580	1/4" F	-0,50
1 P 1 0 N 0 1 A C 7 M L 4 B F 0	2,47	0,65	56	2,96	0,78	67	40	580	1/4" F	-0,50
1 P 1 0 N 0 1 A C 7 M I 4 B F 0	3,08	0,81	70	3,70	0,98	84	40	580	1/4" F	-0,50
1 P 1 0 N 0 1 A C 7 M F 4 B F 0	4,09	1,08	93	4,91	1,30	112	40	580	1/4" F	-0,50
1 P 1 0 N 0 1 A C 7 M L 2 B F 0	4,93	1,30	112	5,92	1,56	134	40	580	1/4" F	-0,50
1 P 1 2 N 0 1 A C 7 M I 6 B F 0	2,98	0,79	47	3,57	0,94	56	40	580	1/4" F	-0,50
1 P 1 2 N 0 1 A C 7 M L 4 B F 0	3,55	0,94	56	4,26	1,13	67	40	580	1/4" F	-0,50
1 P 1 2 N 0 1 A C 7 M I 4 B F 0	4,44	1,17	70	5,32	1,41	84	40	580	1/4" F	-0,50
1 P 1 2 N 0 1 A C 7 M F 4 B F 0	5,89	1,56	93	7,07	1,87	112	40	580	1/4" F	-0,50
1 P 1 2 N 0 1 A C 7 M L 2 B F 0	7,10	1,88	112	8,52	2,25	134	40	580	1/4" F	-0,50
1 P 1 5 N 0 1 A B 7 M I 6 B F 0	4,65	1,23	47	5,58	1,47	56	40	580	1/4" F	-0,50
1 P 1 5 N 0 1 A B 7 M L 4 B F 0	5,55	1,47	56	6,66	1,76	67	40	580	1/4" F	-0,50
1 P 1 5 N 0 1 A B 7 M I 4 B F 0	6,93	1,83	70	8,32	2,20	84	40	580	1/4" F	-0,50
1 P 1 5 N 0 1 A B 7 M F 4 B F 0	9,21	2,43	93	11,05	2,92	112	40	580	1/4" F	-0,50
1 P 1 5 N 0 1 A B 7 M L 2 B F 0	11,09	2,93	112	13,31	3,52	134	40	580	1/4" F	-0,50
1 P 2 0 N 0 1 A B 7 M I 6 B F 0	8,3	2,2	47	9,9	2,6	56	40	580	1/4" F	-0,50
1 P 2 0 N 0 1 A B 7 M L 4 B F 0	9,9	2,6	56	11,8	3,1	67	40	580	1/4" F	-0,50
1 P 2 0 N 0 1 A B 7 M I 4 B F 0	12,3	3,3	70	14,8	3,9	84	40	580	1/4" F	-0,50
1 P 2 0 N 0 1 A B 7 M F 4 B F 0	16,4	4,3	93	19,6	5,2	112	40	580	1/4" F	-0,50
1 P 2 0 N 0 1 A B 7 M L 2 B F 0	19,7	5,2	112	23,7	6,3	134	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M L 6 B F 0	10,2	2,7	37	12,2	3,2	44	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M I 6 B F 0	12,9	3,4	47	15,5	4,1	56	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M L 4 B F 0	15,4	4,1	56	18,5	4,9	67	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M I 4 B F 0	19,3	5,1	70	23,1	6,1	84	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M F 4 B F 0	25,6	6,8	93	30,7	8,1	112	40	580	1/4" F	-0,50
1 P 2 5 N 0 1 A B 7 M L 2 B F 0	30,8	8,1	112	37,0	9,8	134	40	580	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M L 6 B F 0	14,7	3,9	37	17,6	4,6	44	28	406	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M I 6 B F 0	18,7	4,9	47	22,4	5,9	56	28	406	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M L 4 B F 0	22,2	5,9	56	26,7	7,1	67	28	406	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M I 4 B F 0	27,8	7,3	70	33,4	8,8	84	28	406	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M F 4 B F 0	36,9	9,8	93	44,3	11,7	112	28	406	1/4" F	-0,50
1 P 3 0 N 0 7 Y A 7 M L 2 B F 0	44,5	11,8	112	53,4	14,1	134	27	392	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M L 6 B F 0	20,0	5,3	37	24,0	6,3	44	20	290	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M I 6 B F 0	25,4	6,7	47	30,5	8,1	56	20	290	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M L 4 B F 0	30,3	8,0	56	36,4	9,6	67	20	290	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M I 4 B F 0	37,9	10,0	70	45,5	12,0	84	20	290	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M F 4 B F 0	50,4	13,3	93	60,4	16,0	112	20	290	1/4" F	-0,50
1 P 3 5 N 0 7 Y A 7 M L 2 B F 0	60,6	16,0	112	72,8	19,2	134	20	290	1/4" F	-0,50

Test with water @ 20°C.

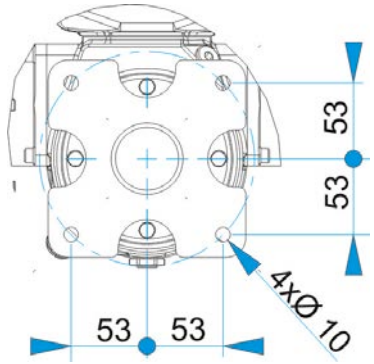




Allowable loads referred to pump nozzles			
Fx	0.10 kN	Mx	0.04 kNm
Fy	0.12 kN	My	0.04 kNm
Fz	0.10 kN	Mz	0.04 kNm



FIXING HOLES – VIEW FROM Z



PUMP MODEL	DIMENSIONS [mm] A	B	C	D	F	EXTIMATED WEIGHT kg (without motor)	OPTIONAL FLANGE ANSI 300 MAX. TEMP. 38°C MAX. PRESSURE 40BAR SIZE
1P06N01AC..	BSPP 1/4"F	116	116	283	42	28	1/2"
1P08N01AC..	BSPP 1/4"F	116	116	283	42	28	1/2"
1P10N01AC..	BSPP 1/4"F	116	116	303	49	29	1/2"
1P12N01AC..	BSPP 1/4"F	116	116	303	49	29	1/2"
1P15N01AB..	BSPP 1/4"F	93	93	303	49	29	1/2"
1P20N01AB..	BSPP 1/4"F	116	116	316	53	29	1/2"
1P25N01AB..	BSPP 1/4"F	116	116	316	53	29	1/2"
1P30N07YA..	BSPP 1/4"F	98	98	316	53	33	1/2"
1P35N07YA..	BSPP 1/4"F	98	98	319	56	33	1/2"

Electric motor size	2 Poles kw	4 Poles kw	6 Poles kw	TEFC 1xM16x1.5		EExde 1xM25x1.5	
				E	kg	E	kg
63	0.18	0.18	0.18	193	4	224	16