

# NEO Series

## TECHNICAL CATALOGUE

Unit 135 Oak Drive Hartlebury Trading Estate  
Hartlebury, Worcestershire, DY10 4JB  
[www.aquaindustrialgroup.co.uk](http://www.aquaindustrialgroup.co.uk)  
email: [sales@askaqua.co.uk](mailto:sales@askaqua.co.uk)



### NEO PUMP SERIES

#### ● Plunger Pump NEO series

- ◆ **Performances:**  
Flow rate: 0-425 l/h  
Pressure: up to 30 bar  
Accuracy: ± 2% of rated flow from 10 to 100% of rated flow
- ◆ **Features:**  
Low flow rate, high pressures  
Robust, compact reliable design  
Accurate dosing at any pressure
- ◆ **Adjustment:**  
0-100% Stroke adjustment while running or steady  
Standard micrometric manual adjustment 1 mm per turn  
Optional electric actuator, 4-20 mA or 0-10 V command with manual override  
Optional motor with integrated inverter for frequency control
- ◆ **Materials:**  
Silver painted aluminum casing  
Standard liquid end executions: S.S. 316 L, PVC  
Customized executions available: Incoloy 825, Hastelloy C276, Titanium, etc...
- ◆ **Customized solutions:**  
ATEX executions  
Double valve assemblies  
UNI/ANSI flanges  
High viscosity executions  
Special motors



# NEO High Pressure



# NEO PUMP SERIES

## ● Liquid End Standard Executions

Executions	VA	V33	V	A	AF
Pump-Head	PVC	PVC	PVC	S.S. 316L	S.S. 316L
Valve Seat	PVC	S.S. 316L	PVC	S.S. 316L	S.S. 316L
Valve Guide	PP	PP	PP	PP	S.S. 316L
Ball Valve	PYREX	S.S. 316L	PYREX	S.S. 316L	S.S. 316L
Valve Gasket	FPM	FPM	FPM	FPM	FPM
Plunger	S.S. 316L	S.S. 316L	CERAMIC	S.S. 316L	S.S. 316L
Plunger Gasket	FPM	FPM	FPM	FPM	FPM

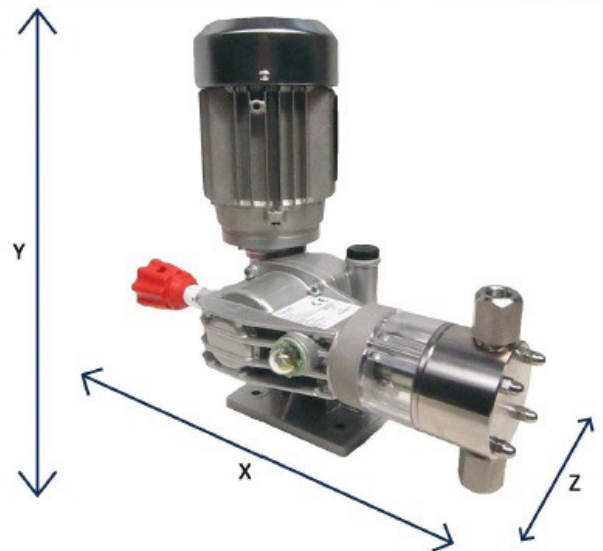
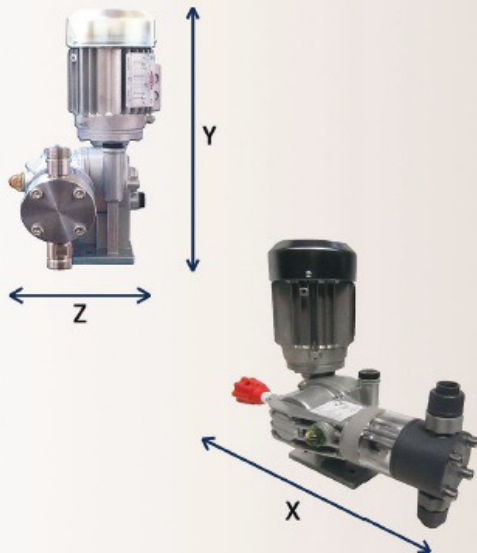
## ● Performances

Type	Plunger Diam. mm	Flow Rate (L/h)		Max Pressure with std motor (bar)	Std Motor Power (Kw)		Max Pressure (bar) with increased power	Stroke speed (spm)		Std Connections
		50 Hz	60 Hz		3-phase	1-phase		50 Hz	60 Hz	
NEO5	15	5	6	10	0,18	0,37	30	34	40	1/4" bspf
NEO10.5	15	10,5	12,6	10	0,18	0,37	30	106	85	1/4" bspf
NEO16	15	16	19	10	0,18	0,37	30	106	127	1/4" bspf
NEO22	15	22	-	10	0,18	0,37	30	150	-	1/4" bspf
NEO26	34	26	31	10	0,18	0,37	20	34	40	3/8" bspf
NEO55	34	55	66	10	0,18	0,37	20	71	85	3/8" bspf
NEO82	34	82	98	10	0,18	0,37	20	106	127	3/8" bspf
NEO116	34	116	-	10	0,18	0,37	20	150	-	3/8" bspf
NEO46	45	46	55	10	0,18	0,37	12	34	40	3/8" bspf
NEO96	45	96	155	10	0,18	0,37	12	71	85	3/8" bspf
NEO144	45	144	173	10	0,18	0,37	12	106	127	3/8" bspf
NEO204	45	204	-	8	0,18	0,37	10	150	-	3/8" bspf
NEO69	55	69	83	7	0,18	0,37	10	34	40	3/8" bspf
NEO145	55	145	174	7	0,18	0,37	10	71	85	3/8" bspf
NEO215	55	215	258	7	0,18	0,37	10	106	127	3/8" bspf
NEO305	55	305	-	7	0,18	0,37	10	150	-	3/8" bspf
NEO95	65	95	114	5	0,18	0,37	10	34	40	3/8" bspf
NEO201	65	201	241	5	0,18	0,37	10	71	85	3/8" bspf
NEO301	65	301	316	5	0,18	0,37	10	106	127	3/8" bspf
NEO425	65	425	-	5	0,18	0,37	10	150	-	3/8" bspf



# NEO PUMP SERIES

## ● NEO Dimensional Drawing



Y = 368 mm  
 X = 350 mm / with actuator 747 mm  
 Z = 190 mm

