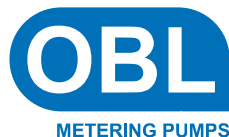




PLUNGER AND DIAPHRAGM METERING PUMPS

GENERAL CATALOGUE



Motor UNEL-MEC:

Motor UNEL-MEC standard 3 phase, 50/60Hz. Single phase and ATEX options available.

Promotes standardization and enables immediate motor availability on site.

Spring return mechanism with oversized bearings.

Extends pump life and lowers life-cycle cost.

Double check valves as standard:

increased accuracy when operating at low flows or high pressure. Wider range of applications.

Smart Hydraulic Diaphragm

Hydraulic system based on API675 process pump design. added safety and improved performance.

ATEX


ALL models comply with ATEX (2014/34/CE) Group II, Category 2 (zone 1/21) and Group II, Category 3 (zone 2/22).

Single block anodized aluminum casing:

improved corrosion resistance against aggressive fumes. Extends pump life and lowers life-cycle cost.

Enhanced Safety:

built-in safety valve, air-bleed valve and mechanical oil replenishing. The pump is fully protected in case of pressure peaks or upset suction conditions.

SEALLESS Plunger

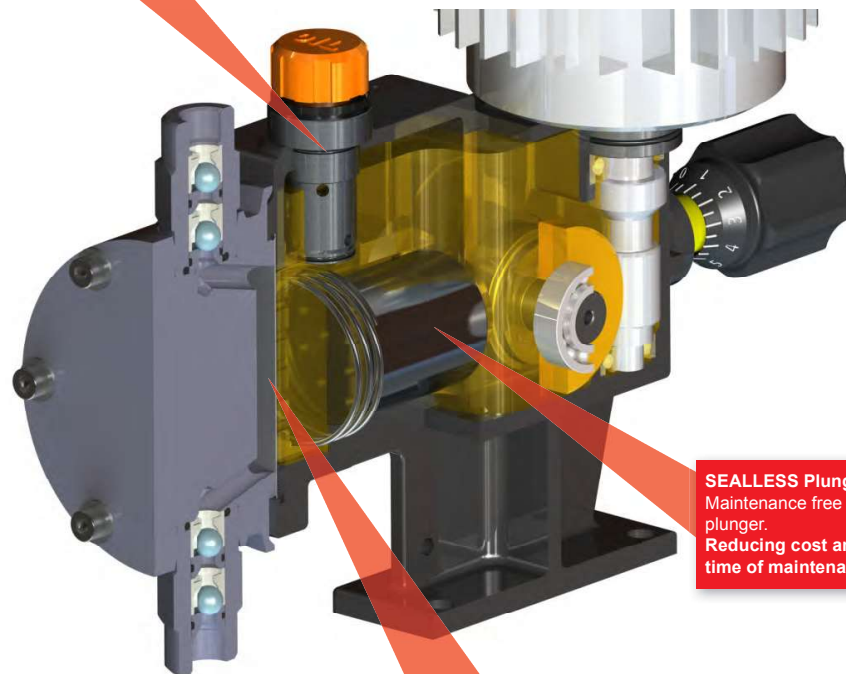
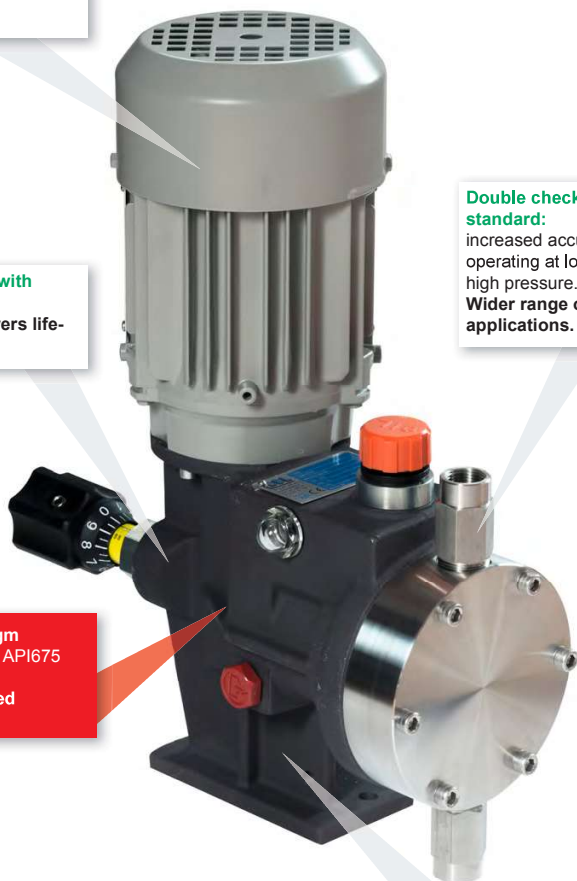
Maintenance free plunger. Reducing cost and time of maintenance.

Simple Diaphragm Monitoring:

Diaphragm fastening is liquid tight and independent from liquid end fastening. By removing the liquid end it is possible to check the PTFE diaphragm conditions without draining the hydraulic circuit.

ATEX


ALL models comply with ATEX (2014/34/CE) Group II, Category 2 (zone 1/21) and Group II, Category 3 (zone 2/22).



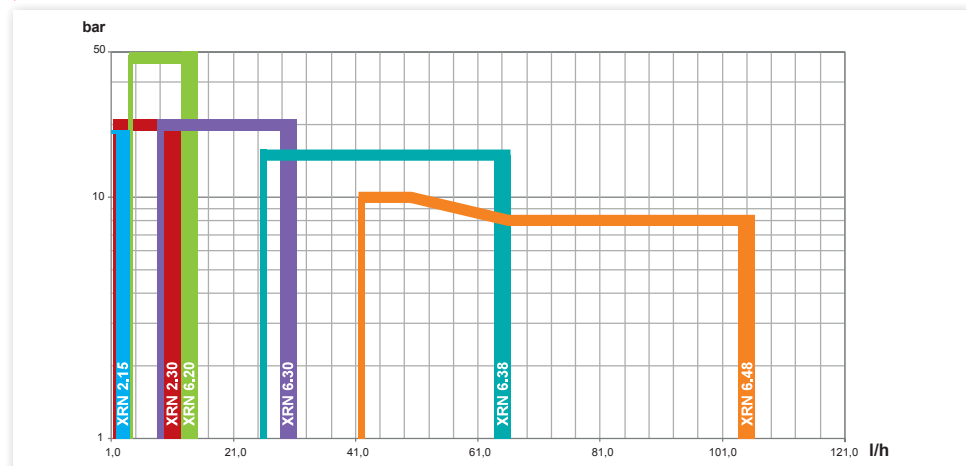
Technical data

TYPE	50 Hz		60 Hz		MAX PRESS. bar		BUILT-IN RELIEF VALVE SET PRESS. (PSV) bar ①	
	STROKES / 1	MAX FLOW RATE l/h	STROKES / 1	MAX FLOW RATE l/h	①			
					A	U - S		
XR 2.15	55	0,6	67	0,8	20	13	PSV SET PRESS. bar	MAX WORK. PRESS. bar
	72	0,9	87	1				
	85	1,2	103	1,2				
	111	1,5	133	1,6				
	145	2						
XR 2.30	28	1,8	33	2,1	20	13	5	4
	36	2,5	43	2,8			7	5,5
	55	3,8	67	4,5			8	6,5
	72	5	87	6			10	8,5
	85	5,8	103	7			13	10
111	7,5	133	10					
145	11							
XR 6.20	28	2	33	2,5	40	/	10	8,5
	36	2,8	43	3,5			13	10
	55	4,5	67	5,5			15	13
	72	6	87	7,2			17	14,5
	85	7,3	103	9			20	17
111	10	133	12			23	20	
145	13					30	25	
XR 6.30	55	10	67	14	20	13	35	30
	72	14	87	20				
	85	20	103	24				
	111	23	133	30				
	145	30						
XR 6.38	72	26	67	24	15	13	20	17
	85	32	87	33			23	20
	111	42	103	40				
	145	54	133	50				
	170	65	174	68				
XR 6.48	72	42	67	38	10	10	30	25
	85	50	87	50	10	10		
	111	66	103	62	8	8	35	30
	145	87	133	80	8	8		
	170	105	174	105	8	8		

Material of construction

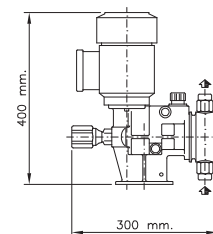
COMPONENTS	A	AS	U	U5	S
PUMP HEAD	AISI-316L	AISI-316L	PVC	PVC	PVDF
DIAPHRAGM	PTFE	PTFE	PTFE	PTFE	PTFE
VALVE GUIDE	PP	PP	PP	AISI-316L	PTFE
VALVE SEAT	AISI-316L	INCOLOY-825	PVC	AISI-316L	PVDF
VALVE (BALL)	AISI-316L	HASTELLOY C-276	PYREX	AISI-316L	CERAMIC
VALVE HOUSING	AISI-316L	AISI-316L	PVC	PVC	PVDF
VALVE SEAL	FPM	FPM	FPM	FPM	FPM

Performance

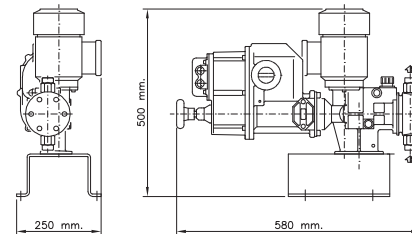


Overall dimensions

SINGLE PUMP - Manual Adjustment



SINGLE PUMP - Electric Actuator Adjustment



Sectional view

THREADED CONNECTIONS

U PVC



A AISI-316L



FLANGED CONNECTIONS

U PVC



A AISI-316L



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