

Facts and figures Hydro-Unit

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Base / Single Line Economy



Single Line



Base Line



Premium Line



Utility Line



Motor	FO	Control	Position
		MVP	On the pump
< 2,2 kW		MVP / SVP	On the pump
≥ 2,2 kW and/or IE5		SVP	On the pump
< 2,2 kW		MVP / SVP	On the pump
≥ 2,2 kW and/or IE5		SVP	On the pump
< 3 kW	F	DP-Control	In the cabinet
≥ 3 kW and/or IE5	VC	DP-Control	In the cabinet
	SVP	DP-Control	VFD on the pump, control in cabinet
< 7,5 kW	F	DP-Control	In the cabinet
≥ 7,5 kW and/or IE5	VC	DP-Control	In the cabinet
	SVP	DP-Control	VFD on the pump, control in cabinet

Abbreviations

- HU = Hydro Unit

SL = Single Line

SLe= Single Line economy

BL = Base Line

BL= Base Line economy

PL = Premium Line

UL = Utility Line
- S = Synchrone motor (IE5 + DP-Var)

M = Mida (Nastec)

F = Fixed speed

V = Variable speed

P = Inverter installed on the pump

C = Inverter installed in the cabinet/control panel

Features						
Pump	Horizontal stainless steel DPHM centrifugal pump / close coupled	Vertical stainless steel centrifugal pump DPV				
Motor	0,37 - 1,5 kW	0,37 - 30 kW	0,37 - 7,5 kW	0,37 - 7,5 kW	0,37 - 30 kW	
Optional IE5 variant	-	yes	yes	yes	yes	
Variable speed (V) / Fixed speed (F)	V	V	V	V / F	V / F	
Control	Standard (MVP)	Standard (MVP / SVP)	Standard (MVP / SVP)	Advanced, DP-Control	Advanced, DP-Control	
Large cabinet, tailored control panel, specials	-	-	-	-	yes	Extra alarm outputs and H-0-A switches as standard, 1-fase / wall mounted cabinet / level control / Fire-Unit / AISI316 / extra alarm outputs / PN25, etc
Capacity	≤ 18 m³/h	≤ 76 m³/h	MVP ≤ 66 m³/h SVP ≤ 88 m³/h	F / VC ≤ 66 m³/h SVP ≤ 88 m³/h	≤ 960 m³/h	
# of pumps	1-2	1	2-4	2-4	2-6	
Head (H _{max})	6 bar	15 bar	15 bar	15 bar	15 bar	Optional 24 bar
Pressure Class	PN10	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN16	Optional PN25 / PN40
Ambient temperature range	+4 up to +40 °C (VC 30 °C)					
Liquid temperature range	+1 °C up to +60 °C (opt. up to 90 °C without WRAS)					
WRAS / ACS Certificates	yes	yes	yes	yes	yes	
Flow-through ball valves / butterfly valves	yes	n.a.	yes	yes	yes	100% flow-through design. Legionella safe (up until DPV25)
Easy-Fit / Flex-Flange	-	yes	yes	yes	yes	Easy maintenance. Fast exchange of the pump non-return valves (without disassembling pump or headers). Fast and trouble-free alignment of the pump / headers.
Possibility to mirror the suction and discharge manifolds	yes	n.a.	yes	yes	no	Utility-Line up to DPV25 is available with end cap on the headers
Suction pressure set	yes	yes	yes	yes	yes	Run dry protection
Pressure transmitter	yes	yes	yes	yes	yes	
Master control take-over by the secondary drive	Base Line economy	n.a.	yes	n.a.	n.a.	In case of failure of the master drive, all control options are taken over by the secondary drive (only when the drive is pump-mounted)