

# High Pressure Pump STREAMLINE™ SL-V CLASSIC

## Classic Reliability and Functionality to Suit Your Needs

Our STREAMLINE™ SL-V Classic reflects the new market requirement for a completely self-contained, easy to hookup unit, guaranteeing you top HSEC intensifier technology in an affordable package.

### Completely Self-contained adaptable system

You can use this pump both ways: either independently as a stand-alone unit or communicating with the central control system of the entire cutting machine.

### Applicable for Pure Water & Abrasive Cutting

The STREAMLINE™ SL-V Classic is designed for flexible production in pure water as well as in abrasive applications. It is dedicated to those kinds of cutting jobs, which require cutting pressure of up to 3.800 bar/ 55.000 psi. The high reliability and lifetime performance equal those of our more sophisticated "Plus" series.

### Ideal for Starters

In particular smaller companies, which run their equipment in single shift operation or are just entering into the waterjet cutting business will appreciate the SL-V Classic as an economic system solution. They now can afford to make use of the huge benefits which the KMT waterjet cutting technology provides at an affordable cost.

### New Hard Seal End Cap Design (HSEC)

The new HSEC intensifier design is now common on all high pressure pumps of the STREAMLINE™ SL-V series. Its compact design allows to maintain the high pressure by tightening the check valves at the end of each.

### MOELLER Display in 7 Languages

The Moeller control system provides you with all the classic features, which are needed to run the pump and to reliably and economically operate your machine. You have the opportunity to select up to 7 different display languages.



### Softstarter as Standard Saves Electricity Costs

The included softstarter helps you additionally decrease your operating cost by reducing the startup current needed for the motor. This means savings not only in your monthly electricity bill, also expensive modifications to your power supply are no longer necessary with all the STREAMLINE™ SL-V Pumps, including the Classic.

### Low Pressure Circuit protected

The overall condition of the low pressure water influences the lifetime of all components in the high pressure section of the pump. Temperature and Pressure levels in front of and after the booster pump are continuously monitored in order to prevent costly damage from occurring.

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## Technical Data

		SL-V 30HP SL-V 50HP	
		Classic	Classic
Nominal Power Rate	kW/PS	22/30	37/50
Pressure Range	bar/psi	500–3.800 / 7.250–55.000	
Max. Flow Rate	l/min	2,3	3,8
Nom. Motor Current at 400V / 50Hz	A	43	66
Control Voltage	VDC	24	
Length	mm	1.727	
Width	mm	914	
Height	mm	1.203	
Weight	kg	816	1.179
Max Noise Level	dB(A)	80	
Accumulator Volume	l	1	
Oil Tank Volume	l	144	
Cutting Water Inlet Pressure	bar/psi	2–4 / 30–60	
Pneumatic Supply Pressure	bar/psi	5,9/85	
Pneumatic Supply Volume	l/min	28,3	
Ambient Temp. Oil/Water Heat Exchanging	°C	5–45	
Ambient Temp. Oil/Air Cooling	°C	5–30	
Oil-/ Aircooler		○	●
Control System		Moeller	
No. of Languages on Display		8*	
HSEC Intensifier Design		●	
HYPERLIFE™ Seal Technology		●	
Safety Dump Valve		●	
Quick Disconnect of LP Water Supply		●	
Inlet Shut-Off Valve		●	
LP Filter (10 µm abs.)		●	
Booster Pump (adjustable & protected)		●	
Dual Pressure Compensator		●	
Oil Level & Temperature Sensor		●	
Oil-/ Water Heat Exchanger		○	
Separate Oil & Water Drip Pans		●	
Electric Options**		208/3/60, 575/3/60, 460/3/60, 230/3/60 V/P/A	

Spare Parts Kit	○
Threading & Coning Tool	○
Closed Loop Cooling System	○
Waste Water Filtration System	○
Water Treatment System	○
CE Mark attached	●
Softstarter	●
Proportional Control	○
Top Cover	○
Tool Kit	○

● = Standard

○ = Optional Feature

\* = English, Finnish, French, German, Italian, Polish, Swedish, Spanish

\*\* = others on request

## Max. Qty of orifices at 3.800 bar

Ø in mm	Qty of orifices***	
	SL-V30 Classic	SL-V50 Classic
0,10	7	12
0,12	5	8
0,15	3	5
0,17	3	4
0,20	2	3
0,23	1	2
0,25	1	2
0,30	-/-	1
0,33	-/-	1
0,35	-/-	1

\*\*\* The maximum quantity of orifices installed can be increased or larger orifice sizes can be installed by reducing the working pressure. Please feel free to contact us for your individual calculation.

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