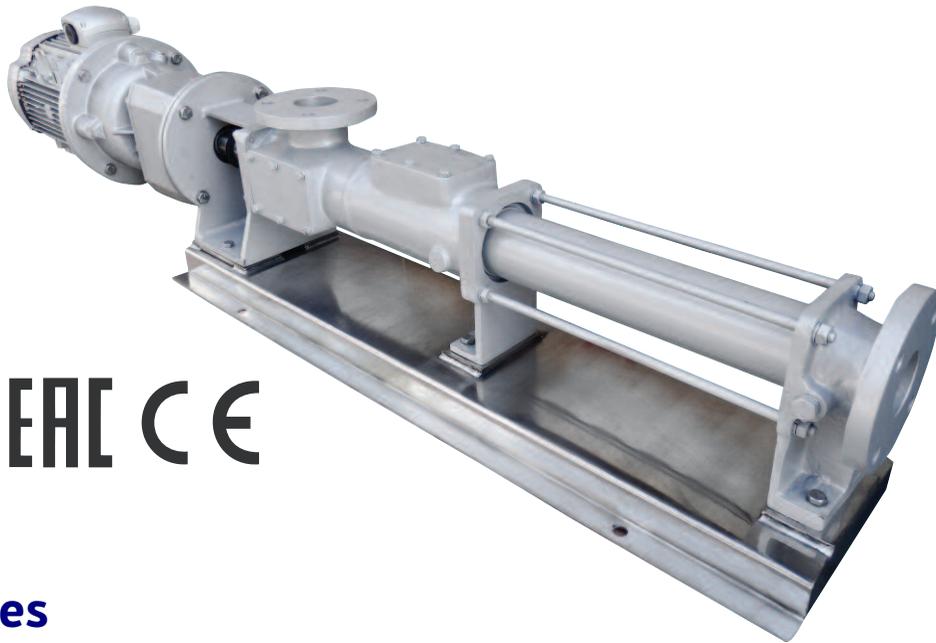


The **VALISI VSS series** is the best solution for the industrial sector in pumping a vast range of fluids. They are synonymous with strength, reliability, performance and application flexibility.

Suitable for pumping viscous and non-viscous products, with or without solids of any nature, they are an ideal solution for those seeking a standard product with advanced technology with unbeatable cost benefits in the current single screw pumps market.



## Features

- ✓ Length Geometry
- ✓ Lower Sliding Velocity
- ✓ Higher Performance compared to classic geometry
- ✓ Minor service requirements
- ✓ Stability in pressure & flow due to longer sealing lines
- ✓ Improved flow characteristics
- ✓ Reduced Vibration, Turbulence, shear rates & pulsation
- ✓ Smooth and performance
- ✓ Improved volumetric, Mechanical & overall efficiency
- ✓ Block construction minimizes overall dimensions, providing a shorter pump length.  
Eliminates the need for coupling and cover protection.

## Technical data

Maximum Capacity	75 m <sup>3</sup> /h
Maximum Pressure	12 Bar
Maximum Temperature	100 °C
Maximum Viscosity	500.000 cPs

## Construction Materials

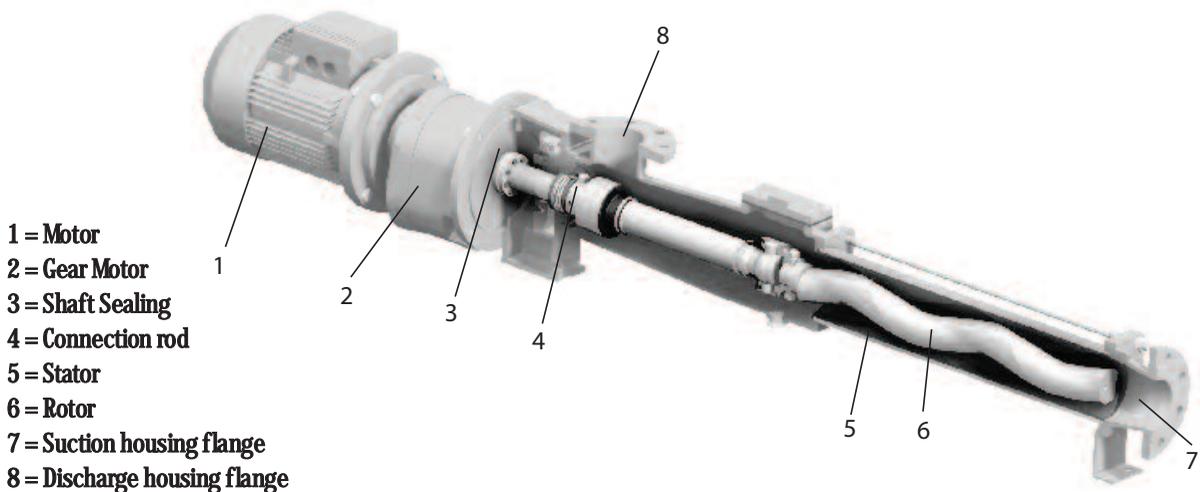
- ▶ Pump Body: Stainless steel 316
- ▶ Available Rotors: Stainless steel 316
- ▶ Available Stators: NBR, EPDM, VITO, HYPALON
- ▶ Seal: Mechanical seal SIC/SIC/
- ▶ Ports: Flange PN16

They are used for the transfer of:

- ▶ Raw, primary, secondary sludges
- ▶ Thickened sludges
- ▶ Sludges before the filter press

Other industrial applications are:

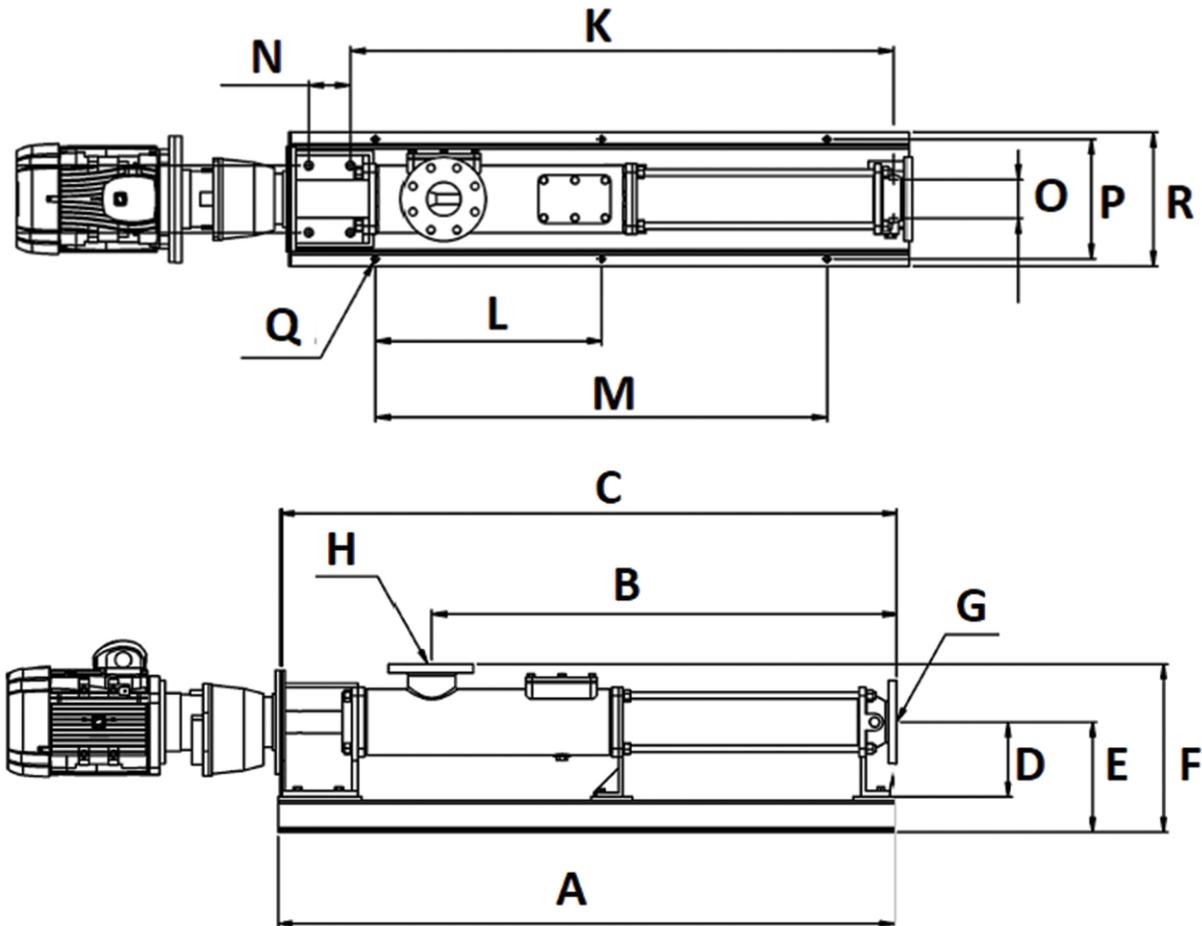
- ▶ Paper industry like starch, glue
- ▶ Building industry like colourings, cement, mortar, bentonite
- ▶ Ship building industry like waste oil, oily bilge water
- ▶ Ceramic industry as clayey sludges, lime, glaze
- ▶ Mining industry
- ▶ Petrochemistry
- ▶ Agriculture
- ▶ Refinery



## Pump Models

Type	Max Capacity	Max Pressure	Ports
VALISI VSS 15	2 m <sup>3</sup> /h	4.5 Bar	FLANGE DN 25
VALISI VSS 21	5 m <sup>3</sup> /h	6 Bar	FLANGE DN 32
VALISI VSS 31	13 m <sup>3</sup> /h	6 Bar	FLANGE DN 50
VALISI VSS 38	25 m <sup>3</sup> /h	6 Bar	FLANGE DN 65
VALISI VSS 45	30 m <sup>3</sup> /h	6 Bar	FLANGE DN 65
VALISI VSS 53	40 m <sup>3</sup> /h	6 Bar	FLANGE DN 80
VALISI VSS 63	50 m <sup>3</sup> /h	6 Bar	FLANGE DN 100
VALISI VSS 76	75 m <sup>3</sup> /h	6 Bar	FLANGE DN 125
VALISI VSS 22	1 m <sup>3</sup> /h	12 Bar	FLANGE DN 40
VALISI VSS 32	3 m <sup>3</sup> /h	12 Bar	FLANGE DN 50
VALISI VSS 42	6 m <sup>3</sup> /h	12 Bar	FLANGE DN 65
VALISI VSS 52	11 m <sup>3</sup> /h	12 Bar	FLANGE DN 80
VALISI VSS 62	20 m <sup>3</sup> /h	12 Bar	FLANGE DN 100

## Pump Dimensions



Pump Type	BASIC DIMENSIONS mm															
	A	B	C	D	E	F	G	H	K	L	M	N	O	P	Q	R
VALISI VSS 15	631	410	642	120	178	250	DN25	DN25	546	---	490	---	50	220	Φ15	250
VALISI VSS 21	690	466	698	120	178	253	DN32	DN32	597	---	490	---	50	220	Φ15	250
VALISI VSS 31	900	660	919	155	215	316	DN50	DN50	790	---	600	---	70	245	Φ15	280
VALISI VSS 38	1158	881	1161	160	220	342	DN65	DN65	1045	---	758	---	78	280	Φ15	310
VALISI VSS 45	1202	942	1222	160	220	342	DN65	DN65	1105	---	758	---	78	280	Φ15	310
VALISI VSS 53	1490	1127	1492	180	265	405	DN80	DN80	1300	540	1080	100	92	285	Φ15	320
VALISI VSS 63	1712	1355	1735	200	287	432	DN100	DN100	1538	656	1312	100	110	310	Φ19	350
VALISI VSS 76	2070	1617	2101	225	311	508	DN125	DN125	1886	835	1670	100	130	320	Φ19	350
VALISI VSS 22	690	466	698	120	178	253	DN40	DN40	597	---	490	---	50	220	Φ15	250
VALISI VSS 32	900	660	919	155	215	316	DN50	DN50	790	---	600	---	70	245	Φ15	280
VALISI VSS 42	1202	942	1222	160	220	342	DN65	DN65	1105	---	758	---	78	280	Φ15	310
VALISI VSS 52	1490	1127	1492	180	265	405	DN80	DN80	1300	540	1080	100	92	285	Φ15	320
VALISI VSS 62	1712	1355	1735	200	287	432	DN100	DN100	1538	656	1312	100	110	310	Φ19	350