

Vertical Multistage Electric Pumps

SV Series

SV 2, SV 4, SV 8, SV 16

SV 33, SV 46, SV 66, SV 92



- **FOUR NEW SIZES AVAILABLE: SV33, 46, 66, 92**
- **LIQUID END MADE ENTIRELY OF STAINLESS STEEL IN THE 2-4-8-16 m³/h STANDARD VERSION**
- **STANDARD MECHANICAL SEAL CAN BE REPLACED WITHOUT REMOVING THE MOTOR FROM THE PUMP (FOR SV33, 46, 66, 92)**
- **STANDARD MOTOR**
- **CAN BE USED WITH THE HYDROVAR CONTROL SYSTEM IN ORDER TO MANAGE THE OPERATION OF THE PUMP BASED ON THE SYSTEM CONDITIONS AND SAVE ENERGY**



MARKET SECTORS

CIVIL, AGRICULTURAL, LIGHT INDUSTRY, WATER TREATMENT, HEATING AND AIR CONDITIONING

MARKET SECTORS

- Handling of water, free of suspended solids, in the civil, industrial and agricultural sectors
- Pressure boosting and water supply systems
- Irrigation systems
- Wash systems
- Water treatment plants
- Handling of moderately aggressive liquids, demineralized water, water and glycol, etc.
 - Circulation of hot and cold water for heating, cooling and conditioning systems
 - Boiler feed

- Tested in compliance with ISO 9906 - Annex A.
- Direction of rotation: clockwise looking at the pump from the top down (marked with an arrow on the adapter and on the coupling).

MOTOR

- Squirrel cage in short circuit, aluminium casing, enclosed construction with external ventilation
- Standard supply Lowara motors up to 7.5 kW (included) for the 4-pole version, and up to 22 kW (included) for the 2-pole version. Other motor brands for higher powers
- **The Lowara surface motors have efficiency values that fall within the range normally referred to as efficiency class 2**
- IP55 protection
- Class F insulation
- Performances according to EN 60034-1
- Standard voltage:
 - Single-phase version: 220-240 V, 50 Hz.
 - Three-phase version: 220-240/380-415 V, 50 Hz for power up to 3 kW, 380-415/660-690 V, 50 Hz for power above 3 kW

MATERIALS

- **Materials in contact are suitable for use with potable water (WRAS certified)**

SPECIFICATIONS

PUMP

The SV pump is a non-self priming vertical multistage pump coupled to a standard motor.

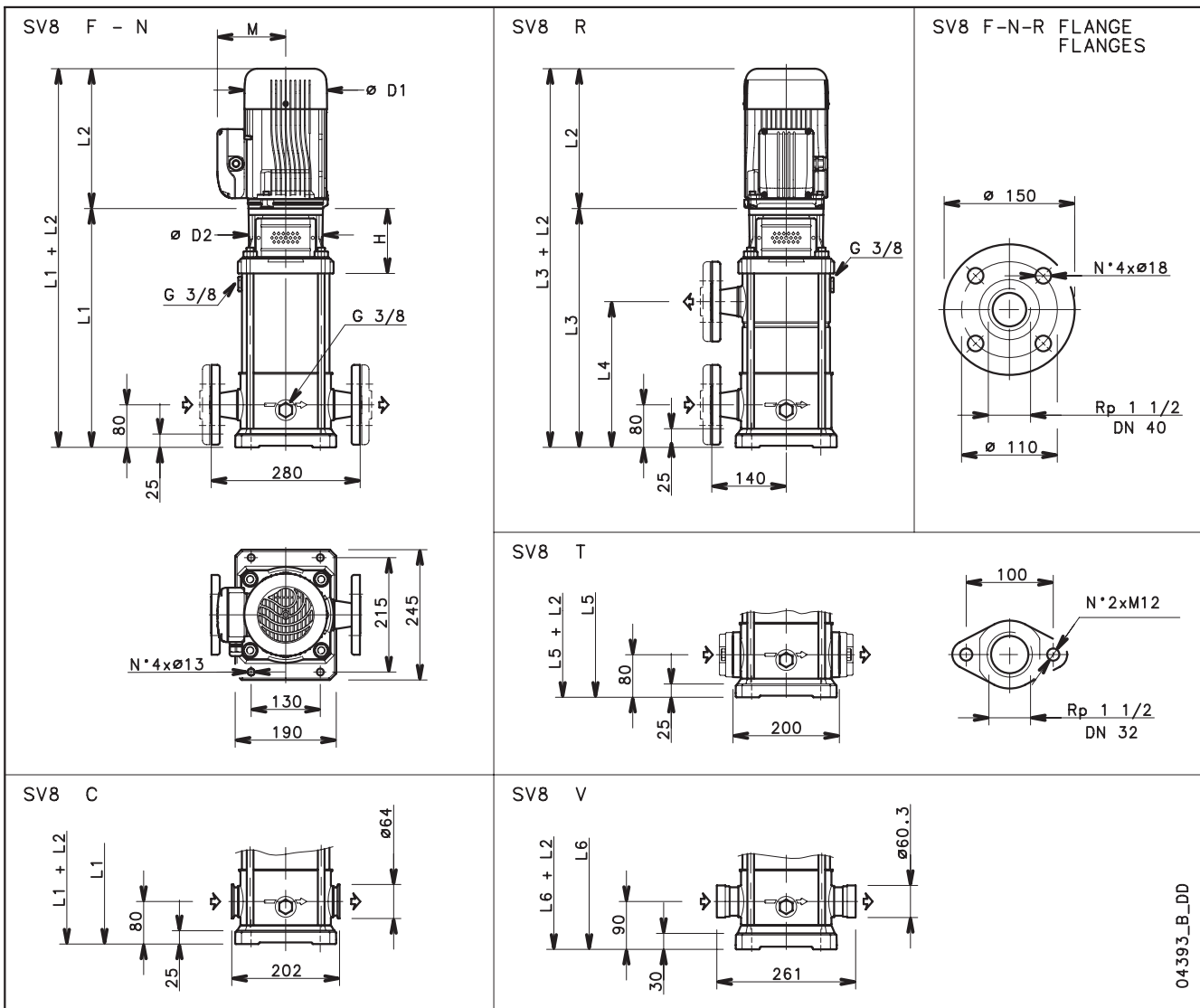
The liquid end, located between the upper cover and the pump casing, is held in place by tie rods. The pump casing is available with different configurations and connection types.

- Delivery: up to **120 m³/h**.
- Head: up to **330 m**.
- Temperature of pumped liquid:
 - -30°C to 120°C for SV 2, 4, 8 and 16, standard version
 - -30°C to 120°C for SV 33, 46, 66 and 92, standard version
- Maximum operating **pressure**:
 - SV 2, 4, 8 with oval flanges: 16 bar (PN 16)
 - SV 2, 4, 8, 16 with round flanges or Victaulic®: 25 bar (PN 25)
 - SV2, 4, 8, 16 with Clamp connections: 16 or 25 bar (PN 16 or PN 25) depending on the number of stages
 - SV 33, 46: 16, 25, 40 bar (PN16, PN25 or PN40)
 - SV 66, 92: 16, 25 bar (PN16, PN25)

DIMENSIONS AND WEIGHTS, SV8 SERIES (~2900 rpm)

F version: AISI 304, in-line ports, round flanges from SV802 to SV816, PN25.
T version: AISI 304, in-line ports, oval flanges from SV802 to SV811, PN16.
R version: AISI 304, delivery port above suction, round flanges from SV803 to SV816, PN25.

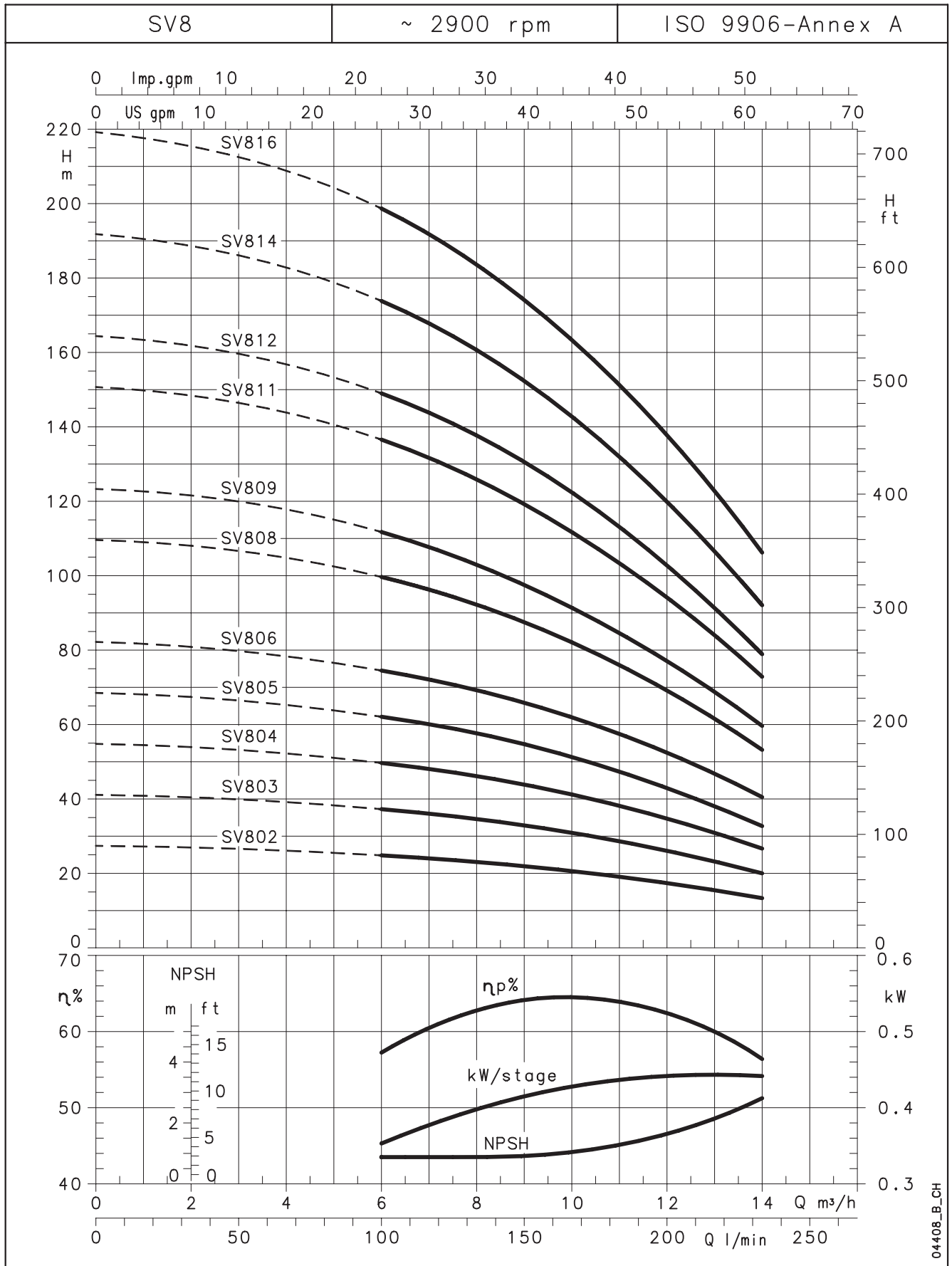
N version: AISI 316, in-line ports, round flanges from SV802 to SV816, PN25.
V version: AISI 316, in-line ports, Victaulic® couplings from SV802 to SV816, PN25.
C version: AISI 316, in-line ports, Clamp couplings from SV802 to SV816, PN25.



PUMP TYPE	MOTOR		DIMENSIONS (mm)											WEIGHT kg			
	kW	SIZE	L1	L2		L3	L4	L5	L6	H	M		D1		D2	PUMP	ELECTRIC PUMP
				1-PHASE	3-PHASE						1-PHASE	3-PHASE	1-PHASE	3-PHASE			
SV802	1,1	80	363	263	263	-	-	363	373	112	137	129	155	155	120	15	25,5
SV803	1,5	90	411	263	263	411	236	411	421	122	137	129	155	155	140	16	32
SV804	2,2	90	449	281	263	449	274	449	459	122	121	129	176	155	140	17	34
SV805	2,2	90	487	281	263	487	312	487	497	122	121	129	176	155	140	18	35
SV806	3	100	535	-	303	535	350	535	545	132	-	121	-	176	160	20	42
SV808	4	112	611	-	307	611	426	611	621	132	-	133	-	193	160	20,5	58,5
SV809	4	112	649	-	307	649	464	649	659	132	-	133	-	193	160	21,5	59,5
SV811	5,5	132	745	-	374	745	540	745	755	152	-	151	-	220	300	28	74
SV812	5,5	132	783	-	374	783	578	-	793	152	-	151	-	220	300	29	75
SV814	7,5	132	859	-	374	859	654	-	869	152	-	151	-	220	300	31	81
SV816	7,5	132	935	-	374	935	730	-	945	152	-	151	-	220	300	32,5	82,5

sv8-2p50_a_td

**SV8 SERIES
OPERATING CHARACTERISTICS AT ~2900 rpm 50 Hz**



These performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.