ZS SV series pumps

The ZS_SV vertical side channel centrifugal pumps are selfpriming mono-cellular pumps capable of conveying gas-containing liquids.

This range is available with a mechanical seal in the ZS_SVG series and with a magnetic coupling in the ZS_SVM series.

These pumps take up limited space (vertical assembly). They are self-priming (including on biphasic mixes), and they are capable of re-priming in the event of cavitation.

The magnetic coupling pumps in the ZS_SVM series include a rupture detection hole on the air chamber. This hole is also found on the mechanical seal pumps (having an assembly complying with the standard DIN 24960).

LIMITS OF USE

Flow rate: •

•

- 0.3 m3/h to 20 m3/h
- Total head: Operating temperature: Operating pressure:
- 5 to 52 mCl -40 to 120°C
- < 16 bar
 - < 1750 min-1

33

221

111

441

Flow (m³/h)

Flow (m³/h)

55

10

10

20

100

100

Speed: • ATEX certification: •

60

50

40

20

10

0 0,1

6

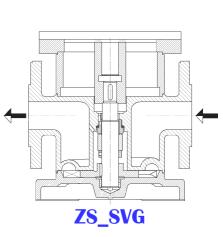
(m) HSAN 4 2 0 0,1

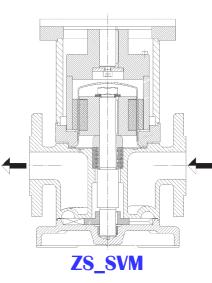
Total head (mCl) 30

- (Ex) || 2 G || B T3/T4
- **SELECTION CURVES**









BUSINESS ACTIVITIES AND PRINCIPAL USE

1

Chemical and fine chemicals industries - Pharmaceutical industry - Cosmetic industry - Paper-making industry - Automotive industry - Metalworking industry - Skid manufacturers - Transferring corrosive liquids or flammable solvents - Tank unloading - General use ...

20

POMPES GROSCLAUDE

SPECIFICATIONS

Basic components

	Code matière								
Composant	32 (*)	60	62						
Suction/Discharge casing	Duplex - 1.4470	Cast iron GS	Cast iron GS						
Coupling	Cast iron FT25	Cast iron FT25	Cast iron FT25						
Base	Duplex - 1.4470	Cast iron GS	Cast iron GS						
Shaft	SS 316Ti	SS 420	SS 420						
Impeller	SS 316Cb	Laiton	Z20CN17.2M						
Bearing bush	Carbone	Carbone	Carbone						
Gasket	Tefon	Teflon	Teflon						
Mechanical seal	SiC/C	SiC/C	SiC/C						
Adapter ring	Acier	Acier	Acier						
Low bush bearing	Carbone	Carbone	Carbone						
Split can	SS 316Ti	SS 316Ti	SS 316Ti						

Pump inlet and outlet connections

Size	Inlet	Outlet
111	DN25 PN16	DN25 PN16
221	DN40 PN16	DN40 PN16
331	DN40 PN16	DN40 PN16
441	DN50 PN16	DN50 PN16
551	DN50 PN16	DN50 PN16

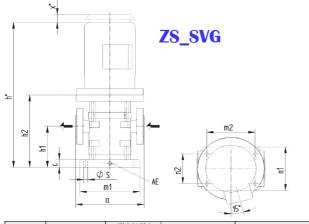
(*) only available on SVM

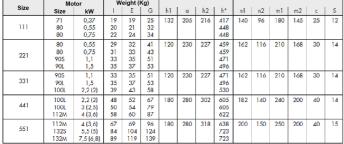
Choice of Tightness

- Magnetic coupling consists solely of static tightness ensuring reduced maintenance and the total absence of fugitive leaks. A hole detecting possible rupture in the can before the liquid penetrates into the motor has been integrated into the assembly.

- Standard mechanical seal complying with DIN 24960 and the assembly include a hole allowing detection of a fault before the liquid enters the motor.

OVERALL DIMENSIONS





nents: The dime The moto H will de The value menssion x will be between 20 to 50 mm depending to motor and supplier torr EExe will most of the time including the rain deflector. depend on the supplier. lues () are applicable on EExe motor.

The weight are related to: - I: Motor IP54 - E: Motor EExe II T3 - G: Motor EEx de II AE # drain connection at 1/4"

PART NUMBER

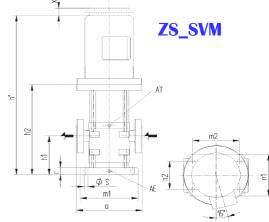
ZS_	SVG	33	1	K.T		32	-	30	-	2	l I	-	27135
	Туре	Size	N° of stage	Mechanical seal gasket	Π	Material code				Motor			Nº de serie
	SVG Mechanical seal	11	1	V FPM	1			Power (kW)		4 4 poles (# 1450 rpm)	Protection	1	
	SVM Magnetic coupling	22		E EPDM	Ĺ						A ATEX		
				T FPM jacket PTFE							I non-ATEX		
		55										-	

OMPES GROSCLAUDE

Parc du chêne - 29, rue du 35^{ème} régiment d'aviation 69 500 BRON - FRANCE (33) 4 72 37 94 00 Tel: (33) 4 72 37 94 01 Fax: E-mail: info@pompes-grosclaude.com Web: www.pompes-grosclaude.com







Size	Mo	Weight (Kg)													
Size	Size	ize kW		E	G	hI	a	h2	h*	nl	n2	ml	m2	с	S
111	80	0,75	29	31	41	132	205	280	512	140	96	180	145	25	12
221	90S 90L	1,1 1,5	45 47	47 49	63 65	120	230	324	568 593	162	116	210	168	30	14
331	90S 90L 100L	1,1 1,5 2,2 (2)	45 47 51	47 49 55	63 65 70	120	230	324	568 593 627	162	116	210	168	30	14
441	100L 100L 112M	2,2 (2) 3 (2,5) 4 (3,6)	65 67 75	69 71 77	84 87 104	180	280	386	689 689 706	182	140	240	200	40	14
551	112M 132S 132M	4 (3,6) 5,5 (5) 7,5 (6,8)	88 105 110	90 125 140	117 145 160	180	280	430	750 835 835	200	150	250	200	40	15

II be between 20 to 50 mm depending to motor and supplier most of the time including the rain deflector. r FEX

pend on the supplier. es () are applicable on EExe motor.

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