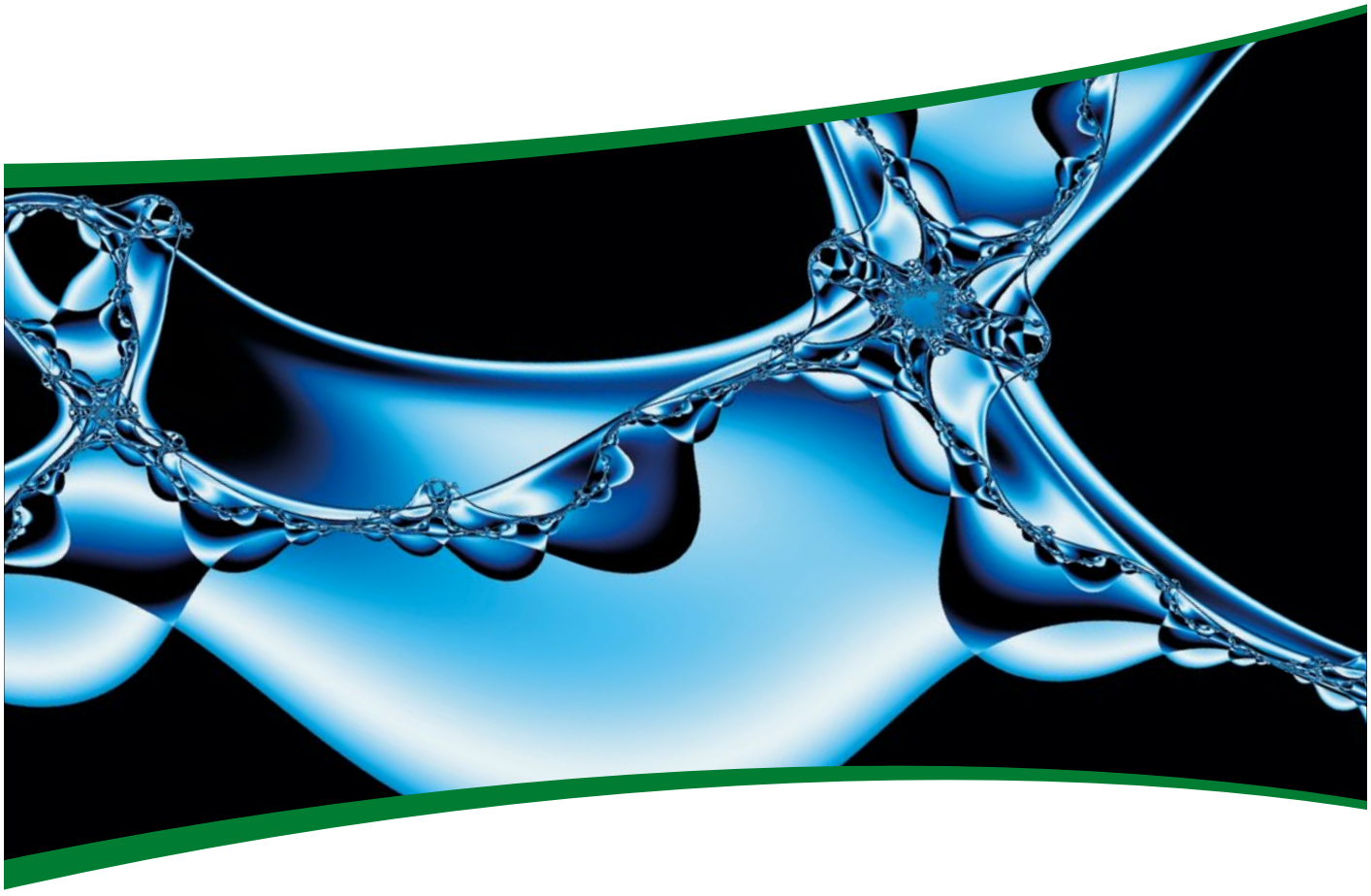
varisco®
solid pumping solutions



PUMPS AND PUMPING SYSTEMS

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Varisco has a clear mission: design, production and sale of pumps for construction, industry and safety.

Established in 1932 as an individual enterprise, the company began its pump production in 1948. Today the name Varisco is known around the world for high quality pump design and manufacturing. The success obtained in a highly competitive market is the result of our teamwork, creating synergy between in-house and outsourced resources, innovation, which allows us to anticipate the requirements of a constantly evolving market, and of our ability to provide services, assisting our clients in the choice and during the installation of our pumps made to solve their specific problems. The people who work for the company are its greatest resource. Varisco can rely on a team made up of experienced business people who support new enthusiastic and professional employees.





The Varisco Research and Development Center

Innovation does not consist of brilliant ideas alone: laboratory and in-field tests are also required to develop our products. Varisco has invested considerable resources to keep its leadership in the field of pumping technology and in the year 2000 made a special three-floor Research and Development Center located next to the factory. The core of the R&D Centre is the laboratory for testing pumps, which is divided into two areas: water for rotodynamic pumps and oil for volumetric pumps.



The water area consists of three fully automated stations with DC current motors, to accurately control the rotational speed, and a vertical system, more than 10 m high, to test the priming and the NPSH of the 1″ to 12″ pumps.
A state-of-the-art data acquisition system allows the results to be immediately available in order to obtain a detailed analysis.

The oil area can house 1″ to 10″ pumps. The oil is contained in four tanks with a refrigeration system to maintain the viscosity constant during the test. The viscosity ranges from 5 to 300 cSt.



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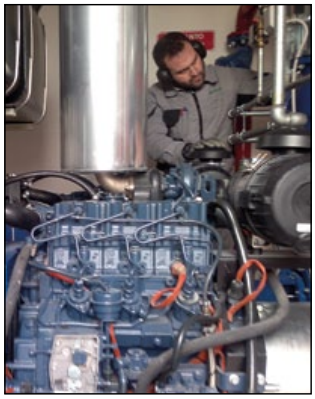
Engineering

Varisco offers both standard products from his catalogue and a wide range of **engineering solutions**.
Pumping system for **high pressure** for the hydrostatic testing of gas and oil pipelines (Diesel engine, 12 cylinder - **800 HP**).
Multistage horizontal centrifugal pump, skid arrangement with steel tubular protection frame and engine with sound proof canopy.



Varisco provides its clients with top quality pre-and post- sales support, not only from our premises but also by means of an extensive network of sales and service centres.







Our company philosophy can be summed up with the words *"Solid pumping solutions"*.

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CENTRIFUGAL PUMPS	J 4	ST-R 7	ETP 7	Z 8	A 10
VACUUM PRIME PUMPS	Ecomatic 11	Simple 12	Super 13		
SILENCED PUMPS	Silent 14	Melody 14	Muteline 14	Albatross 15	
SUBMERSIBLE PUMPS	Titan 16	Black 18			
POSITIVE DISPLACEMENT PUMPS	V 20	Vulcan 21	LB 22	Thor 22	
PUMPS WITH MAGNETIC COUPLING	Saxmag J 23	Saxmag V 23			
FIREFIGHTING UNITS	Argo 24	Taurus 25			



CONSTRUCTION 26



INDUSTRY 27



SAFETY 28

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J Self-priming centrifugal pumps

Self-priming centrifugal pumps, ideal for pumping liquids with solids in suspension. They are for applications where the main feature is the difficulty in priming and are used in industrial, construction and emergency sectors.

- Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7.5 m
- Semi-open impeller allowing the passage of large diameter solids, easy to inspect
- High resistance to abrasive liquids: turbid, muddy, sandy waters with solids in suspension
- Easy to install: only the suction pipe needs to be immersed in the liquid. The pump can be located above and in a dry place, in the most suitable location for service and control
- Wide range of materials: cast iron, bronze, AISI 316 stainless steel, aluminium
- Compliance with ATEX standards



JE 6-250



JD 6-250 TRAILER



JS 3-240

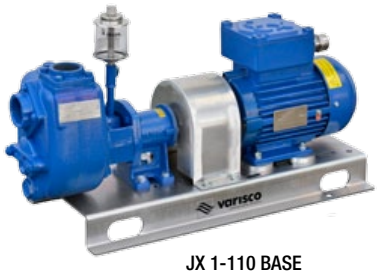


JD 12-400 RANGER



JD 4-159 TROLLEY

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JX 1-110 BASE



JE 1-180

Electrically-driven pumps

Model	Ports		Solids	50 Hz								60 Hz							
				Capacity			Head			Speed	Power	Capacity			Head			Speed	Power
	mm	in	mm	m³/h			m			rpm	kW	m³/h			m			rpm	kW
J 1-110 *	40	1½"	20	22	15	5	5,5	11	15	2900	1,1	24	15	5	5	18	21,5	3450	2,2
J 1-160 * ▪	40	1½"	8	20	12	5	10	24	27	2900	2,2	21	13	5	12	35	39	3450	4
J 1-180 *	40	1½"	11	25	15	6	22	32	34	2900	4	25	15	6	34	48	48	3450	5,5
J 2-100 * ▪	50	2"	17	30	20	8	2	8	13	2900	1,1	32	20	8	5	13	18	3450	2,2
J 2-120 *	50	2"	25	44	30	10	5	12	18	2900	2,2	48	30	10	9,5	20	25	3450	4
J 2-170 *	50	2"	13	44	30	10	14	22	31	2900	4	48	30	10	22	37	47	3450	7,5
J 2-180 *	50	2"	15	50	30	10	20	30	34	2900	5,5	50	30	10	34	44	48	3450	11
J 2-215 *	50	2"	14	46	25	10	42	52	57	2900	11	46	25	10	66	76	82	3450	18,5
J 2-220	50	2"	12	42	28	10	42	52	58	2900	11	-	-	-	-	-	-	-	-
J 3-100 * ▪	80	3"	25	60	37	15	4	9	12	2900	2,2	70	43	15	5	13	17	3450	3
J 3-140 *	80	3"	28	70	40	20	13	18	20	2900	4	70	40	20	21	26	28,5	3450	7,5
J 3-180 *	80	3"	27	85	50	20	18	29	34	2900	7,5	85	50	20	34	45	48	3450	15
J 3-225	80	3"	23	80	50	20	40	48	53	2900	15	-	-	-	-	-	-	-	-
J 3-240 *	80	3"	14	80	40	20	32	60	64	2900	18,5	80	40	20	64	86	90	3450	30
J 3-250	80	3"	12	65	42	15	45	60	67	2900	18,5	-	-	-	-	-	-	-	-
J 3-252	80	3"	14	95	60	20	51	65	72	2900	22	95	60	20	80	95	103	3450	37
J 3-305	80	3"	20	105	70	30	96	106	108	2900	55	-	-	-	-	-	-	-	-
J 4-100 * ▪	100	4"	38	100	65	25	5	9	13	2900	4	120	75	30	6	14	18	3450	7,5
J 4-159	100	4"	45	150	100	40	20	23	26	2900	15	-	-	-	-	-	-	-	-
J 4-160 *	100	4"	45	150	100	40	12	22	24	2900	11	-	-	-	-	-	-	-	-
J 4-225 *	100	4"	35	150	100	50	32	42	46	2900	22	-	-	-	-	-	-	-	-
J 3-210 *	80	3"	40	80	45	20	7	13	15	1450	4	90	45	20	12	19,5	22	1750	7,5
J 4-220 *	100	4"	45	130	100	50	6	10	14	1450	5,5	160	100	40	8	17	20	1750	7,5
J 4-250 *	100	4"	50	160	100	40	5	13	18	1450	7,5	160	100	40	11	22	26,5	1750	15
J 4-253 *	100	4"	45	150	100	40	9	15	19	1450	7,5	150	100	40	18	24	28	1750	15
J 4-316	100	4"	38	180	110	60	16	26	29	1450	18,5	180	110	60	30	40	43	1750	30
J 6-240 *	150	6"	50	230	120	40	6	12	15	1450	7,5	270	180	80	9	15	20	1750	15
J 6-250 *	150	6"	76	300	200	80	5	11	15	1450	11	340	200	80	8	18	22	1750	22
J 6-253 *	150	6"	45	300	200	80	4	10	14	1450	11	340	200	80	8	17	20	1750	18,5
J 6-350	150	6"	37	300	180	80	19	30	33	1450	30	-	-	-	-	-	-	-	-
J 6-355	150	6"	47	330	200	90	14	26	32	1450	30	-	-	-	-	-	-	-	-
J 6-400	150	6"	50	380	200	80	18	36	38	1450	45	380	200	100	42	54	55	1750	75
J 8-300	200	8"	60	480	320	120	8	15	20	1450	22	480	320	120	15	25	28,5	1750	45
J 8-305	200	8"	76	420	200	100	5	13	17	1450	18,5	480	200	100	10	20	27	1750	30
J 10-305	250	10"	76	600	400	200	6	15	18,5	1450	30	600	400	200	17	23,5	28	1750	45
J 6-350	150	6"	37	280	200	80	3	9	14	960	11	-	-	-	-	-	-	-	-
J 6-355	150	6"	47	225	150	75	5	10	14	960	11	280	200	80	7	14	20	1150	15
J 12-400	300	12"	70	1200	720	300	8	12	15	960	55	-	-	-	-	-	-	-	-

* Close-coupled with IEC 60034 standards motor (50 Hz)

▪ Model without wear plate

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Engine-driven pumps

Model	Ports		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m^3/h	m	rpm	kW
J 1-110	40	1½"	20	25	25	3600	2,6
J 1-160 ▪	40	1½"	8	22	48	3600	5,5
J 1-180	40	1½"	11	26	48	3200	5,3
J 2-100 ▪	50	2"	17	36	22	3600	3
J 2-120	50	2"	25	48	28	3600	4,1
J 2-170	50	2"	13	50	36	3000	5,5
J 2-180	50	2"	15	50	40	3000	5,5
J 2-215	50	2"	14	46	60	3000	10,4
J 2-220	50	2"	12	41	60	3000	10,3
J 3-100 ▪	80	3"	25	75	22	3600	5
J 3-140	80	3"	28	80	25	3000	5,5
J 3-180	80	3"	27	85	36	3000	10,4
J 3-240	80	3"	14	70	78	3000	26
J 3-250	80	3"	12	65	73	3000	24
J 3-305	80	3"	20	105	103	2800	48
J 4-100 ▪	100	4"	38	130	24	3600	8
J 4-159	100	4"	45	170	23	2500	12
J 4-225	100	4"	35	150	48	3000	23,5
J 5-180	125	5"	60	230	17	2000	14
J 3-210	80	3"	40	90	25	1800	8,1
J 4-220	100	4"	45	170	27	2000	12,5
J 4-250	100	4"	50	160	32	1800	20
J 4-253	100	4"	45	150	29	1800	20
J 4-316	100	4"	38	190	48	1800	41
J 6-240	150	6"	50	270	25	1700	11
J 6-250	150	6"	76	360	28	1800	22
J 6-253	150	6"	45	340	23	1800	22
J 6-350	150	6"	37	330	40	1500	27,5
J 6-355	150	6"	47	340	37	1500	27,5
J 6-400	150	6"	50	400	62	1800	81
J 8-300	200	8"	60	550	30	1800	41
J 8-305	200	8"	76	530	28	1800	32
J 10-305	250	10"	76	750	25	1700	40
J 12-400	300	12"	70	1400	21	1150	110

▪ Model without wear plate



JB 4-100



JETTING JD 3-240



JB 2-100

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ST-R Self-priming trash pumps

Self-priming trash pumps ideal for pumping liquids with large solids in suspension. They are used on purification plants and sewage systems where their maintenance friendly design, provides a completely safe, waste management solution.

- Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7.5 m
- Total safety for operators. Being placed outside and above the liquid to be pumped, inspection and maintenance of the pump are made easier, with greatly reduced health and safety hazards for personnel
- Two vane semi-open impeller handling up to 3″ (76 mm) solids
- Easy maintenance: back pull-out rotating assembly which can be removed without dismantling the pipes or pump casing

Electrically-driven pumps

Model	Ports		Solids	50 Hz						60 Hz					
				Capacity			Head			Speed	Power	Capacity			Head			Speed	Power
	mm	in	mm	m^3/h			m			rpm	kW	m^3/h			m			rpm	kW
ST-R2	50	2″	38	32	20	10	5,5	7	8,5	1450	1,5	40	15	5	5	18	21,5	3450	2,2
ST-R3	80	3″	63	100	50	20	9	14	16	1450	5,5	100	50	20	16	20	23	1750	11
ST-R4	100	4″	76	160	100	50	11	16	19	1450	11	160	100	50	20	24	27	1750	18,5
ST-R6	150	6″	76	330	200	80	14	23	28	1450	30	290	200	70	7	13	17,5	1150	15
ST-R8	200	8″	76	440	300	100	5	12	17	950	18,5	540	300	200	6	19	22	1150	37



ST-R4E BASE



ST-R6S



ST-R8S

ETP Self-priming centrifugal emergency pumps

Self-priming centrifugal emergency pumps ready for intervention. Main advantages are ease of transportation and extreme versatility. They are used by the Fire Brigade and Civil Defence to put out fires in any emergency situation.

- Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7.5 m
- Two vane semi-open impeller with solids handling up to 1½″ (40 mm)
- High resistance to abrasive liquids: turbid, muddy, sandy waters with solids in suspension
- Casing, impeller, volute and wear plate in Anticorodal aluminium: high resistance to brackish or marine waters

Model	Ports		Solids	Capacity			Head			Speed	Power
	mm	in	mm	m^3/h			m			rpm	kW
ET2P	50	2″	27	50	30	10	2	15,5	24	3600	4,0
ET3P	80	3″	38	90	50	20	4	19	23	3600	6,6
ETP 2500 MHD	100	4″	40	150	80	20	2,5	20	25	3600	9,6
ETP 2500 MLD (diesel)	100	4″	40	150	80	20	2,5	20	25	3600	7,5



ETP 2500 MLD LIFT



ETP 2500 ROAD

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Z Semi-open impeller centrifugal pumps

High efficiency pumps with semi-open impeller suitable for pumping liquids with solids in suspension. They are used in construction sector (drainage, ground water dewatering, drilling plants) and industry sector (transfer, agriculture, naval).

- High efficiency pumps: 73%
- Semi-open impeller allowing the passage of large diameter solids
- High resistance to abrasive liquids: turbid, muddy, sandy waters with solids in suspension
- Easy maintenance: removable front cover for direct access to the impeller and eventual unclogging. Easily replaceable wear plate
- Hinge cover set for a full and easy inspection of the pump (optional)
- Wide range of materials: cast iron. Bronze or CF8M stainless steel (only impeller and wear plate)





ZE 4-250R



ZS 6-250



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Electrically-driven pumps

Model	Ports		Solids	50 Hz								60 Hz							
				Capacity			Head			Speed	Power	Capacity			Head			Speed	Power
	mm	in	mm	m³/h			m			rpm	kW	m³/h			m			rpm	kW
ZE 4-225	100	4"	35	200	130	50	30	47	51	2900	30	-	-	-	-	-	-	-	-
ZE 4-200 *	100	4"	40	150	100	40	4	8	11	1450	4	170	110	40	7	13	16	1750	5,5
ZE 4-220 *	100	4"	45	160	100	50	7	12	14	1450	5,5	190	120	50	10	17	21	1750	7,5
ZE 4-250 *	100	4"	50	200	120	40	7	12	17	1450	7,5	220	120	40	12	20	25	1750	15
ZE 4-260 *	100	4"	76	240	140	40	9	14	19	1450	11	260	140	40	16	22	28	1750	18,5
ZE 6-240 *	150	6"	50	240	160	80	6	11	14	1450	7,5	290	180	80	8	16	21	1750	11
ZE 6-250 *	150	6"	76	360	220	80	7	12	16	1450	11	400	240	80	12	19	25	1750	18,5
ZE 6-253 *	150	6"	45	340	210	80	4	12	16	1450	11	400	240	80	7	18	24	1750	18,5
ZE 8-300 ▪	200	8"	60	460	200	50	9	19	22	1.450	18,5	550	300	50	13	25	33	1750	37
ZE 8-305 ▪	200	8"	76	450	200	50	5	15	18	1.450	18,5	550	300	50	7	19	27	1750	30
ZE 10-400 ▪	250	10"	76	900	600	300	14	22	27	1.450	75	-	-	-	-	-	-	-	-
ZE 12-400 ▪	300	12"	70	1400	900	300	9	13	15	975	55	-	-	-	-	-	-	-	-

* Close-coupled with IEC 60034 standards motor (50 Hz)

▪ Indicative data of the average performance

Engine-driven pumps

Model	Ports		Solids	Capacity			Head			Speed	Power
	mm	in	mm	m³/h			m			rpm	kW
ZD 4-225	100	4"	35	210	120	50	30	50	53	3000	30
ZD 4-200	100	4"	40	160	100	50	5	9	12	1500	5
ZD 4-220	100	4"	45	250	120	60	8	24	27	2000	9
ZD 4-250	100	4"	50	220	120	40	14	22	24	1800	14
ZD 4-260	100	4"	76	280	160	40	16	22	30	1800	26
ZD 6-240	150	6"	50	280	180	80	11	18	23	1800	14
ZD 6-250	150	6"	76	420	260	80	12	20	26	1800	20
ZD 6-253	150	6"	45	400	260	80	8	18	25	1800	17
ZD 8-300 ▪	200	8"	60	690	370	100	8	28	37	2000	47
ZD 8-305 ▪	200	8"	76	670	350	100	5	25	34	2000	42
ZD 10-400 ▪	250	10"	76	900	600	300	14	22	27	1500	60
ZD 12-400 ▪	300	12"	70	1400	900	300	9	13	15	1000	60

▪ Indicative data of the average performance



ZP 4-250



ZP 6-250

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A Drainage and wellpoint accessories

Discharge pipes and accessories in galvanized steel, wellpoint spears in aluminium and stainless steel (standard solution). Discharge pipes in PE HD, wellpoint spears and riser pipes in PVC.

- High resistance to brackish water
- Maximum strength and lightness



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Vacuum prime centrifugal pumps

The system consists of a **J** self-priming centrifugal pump or a **Z** centrifugal pump and a separation chamber where air can separate from the liquid and be sucked by a vacuum pump. Highly dependable pumps suitable for wellpoint system and construction site dewatering.

- Automatic “dry” priming
- Semi-open impeller allowing the passage of large diameter solids, easy to inspect
- High air capacity

ECOMATIC J - Vacuum-assisted self-priming centrifugal pumps
ECOMATIC Z - Vacuum prime centrifugal pumps

SIMPLE J - Vacuum-assisted self-priming centrifugal pumps

SUPER J - Vacuum-assisted self-priming centrifugal pumps
SUPER Z - Vacuum prime centrifugal pumps

Simplex separator *NEW*

- **Fully mechanical patented system** that allows fast priming and is also suitable for wellpoint system
- **Automatic condensate recovery**
- Manual valve to restore atmospheric pressure and the emptying of suction line



ECOMATIC J — Lubricated vacuum pump with oil recirculation system

Model	Ports mm	Ports in	Solids mm	Capacity m³/h (max)	Head m (max)	Speed rpm	Power kW
Electrically-driven pumps							
ECOMATIC JE 4-250	100	4”	50	160	21	1450	7,5
ECOMATIC JE 4-253	100	4”	45	160	20	1450	7,5
ECOMATIC JE 6-250	150	6”	76	320	18	1450	11
ECOMATIC JE 6-253	150	6”	45	320	15	1450	11
Engine-driven pumps							
ECOMATIC JD 4-250	100	4”	50	160	32	1800	14
ECOMATIC JD 4-253	100	4”	45	160	30	1800	14
ECOMATIC JD 6-250	150	6”	76	360	28	1800	22
ECOMATIC JD 6-253	150	6”	45	360	23	1800	22



ECOMATIC JE 6-250

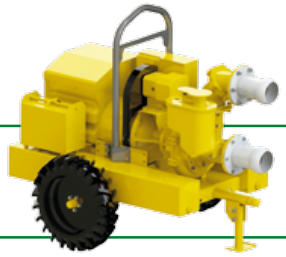


ECOMATIC JD 6-250

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ECOMATIC Z

Lubricated vacuum pump with oil recirculation system

Simplex separator *NEW*

Model	Ports mm	Ports in	Solids mm	Capacity m³/h (max)	Head m (max)	Speed rpm	Power kW
Electrically-driven pumps							
ECOMATIC ZE 4-250	100	4″	50	200	17	1450	7,5
ECOMATIC ZE 4-260	100	4″	76	240	19	1450	11
ECOMATIC ZE 6-250	150	6″	76	360	16	1450	11
ECOMATIC ZE 6-253	150	6″	45	340	16	1450	11
ECOMATIC ZE 8-300	200	8″	60	570	20	1450	22
ECOMATIC ZE 8-305	200	8″	76	480	18	1450	18,5
Engine-driven pumps							
ECOMATIC ZD 4-250	100	4″	50	220	24	1800	14
ECOMATIC ZD 4-260	100	4″	76	280	30	1800	26
ECOMATIC ZD 6-240	150	6″	50	280	23	1800	14
ECOMATIC ZD 6-250	150	6″	76	420	26	1800	20
ECOMATIC ZD 6-253	150	6″	45	400	25	1800	17
ECOMATIC ZD 8-300	200	8″	60	670	31	1800	45
ECOMATIC ZD 8-305	200	8″	76	650	34	2000	45

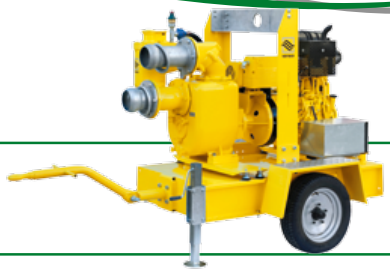


Simple

Oil lubricated vacuum pump

Model	Ports mm	Ports in	Solids mm	Capacity m³/h (max)	Head m (max)	Speed rpm	Power kW
Electrically-driven pumps							
SIMPLE JE 3-210	80	3″	40	80	15	1450	4
SIMPLE JE 4-250	100	4″	50	160	21	1450	7,5
SIMPLE JE 4-253	100	4″	45	160	20	1450	7,5
SIMPLE JE 4-316	100	4″	38	180	32	1450	18,5
SIMPLE JE 6-240	150	6″	50	230	18	1450	7,5
SIMPLE JE 6-250	150	6″	76	320	18	1450	11
SIMPLE JE 6-253	150	6″	45	320	15	1450	11
SIMPLE JE 6-350	150	6″	37	310	36	1450	30
SIMPLE JE 8-300	200	8″	60	480	22	1450	22
SIMPLE JE 10-305	250	10″	76	650	25	1450	30
SIMPLE JE 12-400	300	12″	70	1200	20	975	55
Engine-driven pumps							
SIMPLE JD 3-210	80	3″	40	90	25	1800	7
SIMPLE JD 4-250	100	4″	50	160	32	1800	14
SIMPLE JD 4-253	100	4″	45	150	29	1800	14
SIMPLE JD 4-316	100	4″	38	190	48	1800	30
SIMPLE JD 6-240	150	6″	50	260	25	1700	11
SIMPLE JD 6-250	150	6″	76	360	28	1800	22
SIMPLE JD 6-253	150	6″	45	340	23	1800	22
SIMPLE JD 6-350	150	6″	37	330	40	1500	40
SIMPLE JD 6-400	150	6″	50	400	62	1800	75
SIMPLE JD 8-300	200	8″	60	550	27	1600	32
SIMPLE JD 10-305	250	10″	76	750	25	1500	35
SIMPLE JD 12-400	300	12″	70	1400	21	1000	100

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SUPER J

Simplex separator *NEW*
Three kinds of vacuum pump
Modular arrangement

Model	Ports mm	Ports in	Solids mm	Capacity m³/h (max)	Head m (max)	Speed rpm	Power kW
Electrically-driven pumps							
SUPER JE 4-250	100	4"	50	160	21	1450	7,5
SUPER JE 4-253	100	4"	45	160	20	1450	7,5
SUPER JE 6-250	150	6"	76	320	18	1450	11
SUPER JE 6-253	150	6"	45	320	15	1450	11
Engine-driven pumps							
SUPER JD 4-250	100	4"	50	160	32	1800	14
SUPER JD 4-253	100	4"	45	160	30	1800	14
SUPER JD 6-250	150	6"	76	360	28	1800	22
SUPER JD 6-253	150	6"	45	360	23	1800	22

SUPER Z

Simplex separator *NEW*
Three kinds of vacuum pump
Modular arrangement



Hinged cover as standard



Model	Ports mm	Ports in	Solids mm	Capacity m³/h (max)	Head m (max)	Speed rpm	Power kW
Electrically-driven pumps							
SUPER ZE 4-225	100	4"	35	200	51	2900	30
SUPER ZE 4-200	100	4"	40	150	11	1450	4
SUPER ZE 4-220	100	4"	45	160	14	1450	5,5
SUPER ZE 4-250	100	4"	50	200	17	1450	7,5
SUPER ZE 4-260	100	4"	76	240	19	1450	11
SUPER ZE 6-240	150	6"	50	240	14	1450	7,5
SUPER ZE 6-250	150	6"	76	360	16	1450	11
SUPER ZE 6-253	150	6"	45	340	16	1450	11
SUPER ZE 8-300	200	8"	60	570	20	1450	22
SUPER ZE 8-305	200	8"	76	480	18	1450	18,5
Engine-driven pumps							
SUPER ZD 4-225	100	4"	35	210	53	3000	30
SUPER ZD 4-200	100	4"	40	160	12	1500	5
SUPER ZD 4-220	100	4"	45	250	27	2000	9
SUPER ZD 4-250	100	4"	50	220	24	1800	14
SUPER ZD 4-260	100	4"	76	280	30	1800	26
SUPER ZD 6-240	150	6"	50	280	23	1800	14
SUPER ZD 6-250	150	6"	76	420	26	1800	20
SUPER ZD 6-253	150	6"	45	400	25	1800	17
SUPER ZD 8-300	200	8"	60	670	31	1800	45
SUPER ZD 8-305	200	8"	76	650	34	2000	45

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SILENT

Pumps with silenced engine

The system consists of a centrifugal pump coupled to a Hatz silenced diesel engine. You can set up units with both J self-priming pumps or SIMPLE, ECOMATIC vacuum-assisted pumps, and with the new Z semi-open impeller pumps with high efficiency.

- Silenced Hatz engine: 73 dB(A) - sound pressure level (LPA) at 7 m
- Semi-open impeller allowing the passage of large diameter solids

Engine-driven pumps

Product series	Model	Ports mm	Ports in	Solids mm	Capacity m³/h			Head m			Speed rpm	Power kW
J Ecomatic Simple	4-250	100	4"	50	160	100	40	16	24	28	1800	13
	6-240	150	6"	45	280	180	80	9	17	23	1800	13
	6-250	150	6"	76	340	200	80	9	19	23	1800	22
Z	4-225	100	4"	35	210	120	50	30	50	53	3000	30
	4-200	100	4"	40	160	100	50	5	9	12	1500	5
	4-220	100	4"	45	250	120	60	8	24	27	2000	9
	4-250	100	4"	50	220	120	40	14	22	24	1800	14
	4-260	100	4"	76	280	160	40	16	22	30	1800	26
	6-240	150	6"	50	280	180	80	11	18	23	1800	14
	6-250	150	6"	76	420	260	80	12	20	26	1800	20
	6-253	150	6"	45	400	260	80	8	18	25	1800	17

MELODY

Super-silenced engine-driven pumps



- Super-silenced canopy: 60 dB(A) - sound pressure level (LPA) at 7 m
- Robust construction, weatherproof and suitable for the most extreme climatic conditions
- Available both for centrifugal and positive displacement pumps

MUTELINE

Vacuum prime ZD silenced engine-driven pumps

The system consists of a Z semi-open impeller centrifugal pump with solids handling and a separation chamber where air can separate from the liquid and be sucked by a vacuum pump.

- Silenced canopy: from 58 to 63 dB(A) - sound pressure level (LPA) at 10 m
- Tank of 250 liters / 66 USG: autonomy of 8 days
- High efficiency pumps: 73%
- Semi-open impeller allowing the passage of large diameter solids

Model	Ports mm	Ports in	Solids mm	Capacity m³/h			Head m			Speed rpm	Power kW
ZD 4-225	100	4"	35	210	120	50	30	50	53	3000	30
ZD 4-200	100	4"	40	160	100	50	5	9	12	1500	5
ZD 4-220	100	4"	45	250	120	60	8	24	27	2000	9
ZD 4-250	100	4"	50	220	120	40	14	22	24	1800	14
ZD 4-260	100	4"	76	280	160	40	16	22	30	1800	26
ZD 6-240	150	6"	50	280	180	80	11	18	23	1800	14
ZD 6-250	150	6"	76	420	260	80	12	20	26	1800	20
ZD 6-253	150	6"	45	400	260	80	8	18	25	1800	17



MUTELINE ZD 6-250



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Vacuum prime ZD super-silenced engine-driven pumps

- Super-silenced canopy: from 55 to 60 dB(A) - sound pressure level (LPA) at 10 m
- Tank of 250 liters / 66 USG: autonomy of 45 hours
- High efficiency pumps: 73%
- Semi-open impeller allowing the passage of large diameter solids

Model	Ports		Solids	Capacity			Head			Speed	Power
	mm	in	mm	m³/h			m			rpm	kW
ZD 4-225	100	4"	35	210	120	50	30	50	53	3000	30
ZD 4-200	100	4"	40	160	100	50	5	9	12	1500	5
ZD 4-220	100	4"	45	250	120	60	8	24	27	2000	9
ZD 4-250	100	4"	50	220	120	40	14	22	24	1800	14
ZD 4-260	100	4"	76	280	160	40	16	22	30	1800	26
ZD 6-240	150	6"	50	280	180	80	11	18	23	1800	14
ZD 6-250	150	6"	76	420	260	80	12	20	26	1800	20
ZD 6-253	150	6"	45	400	260	80	8	18	25	1800	17





ALBATROSS ZD 6-250

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TITAN

Submersible drainage pumps

Submersible drainage pumps, ideal for pumping liquids with solids in suspension, in civil and industrial plants.

- Cooling jacket to allow the motor to run in an optimal way even with low suction levels
- Greater efficiency of the motor
- Long life for components



A - aluminium

Model	Port		Solids	Capacity	Head	Speed	Power
50 Hz - 60 Hz	mm	in	mm	m³/h	m	rpm	kW
TITAN 2AL 15-11 M	50	2″	7,5	15	11	2900	0,40
TITAN 2AL 20-15 M	50	2″	7,5	20	15	2900	0,75
TITAN 2AL 15-12 M	25	1″	4,5	15	12	2900	0,40
TITAN 2AL 20-13 M	50	2″	25	20	13	2900	0,75
TITAN 2AL 35-16 M / T	50	2″	4	35	16	2900 / 3550	1 / 1,5
TITAN 2AL 85-15 M / T	75	3″	7	85	15	2900 / 3550	2 / 3,0
TITAN 2AL 180-20 T	100	4″	6	180	20	2900 / 3550	4,7 / 6,0
TITAN 2AM 50-25 M / T	75	3″	7	50	25	2900 / 3550	2 / 3,0
TITAN 2AM 80-20 T	75	3″	7	80	20	2900 / 3550	3 / 3,7
TITAN 2AM 65-25 T	100	4″	6	65	25	2900 / 3550	4,7 / 6,0
TITAN 2AM 170-30 T	100	4″	6	170	30	2900 / 3550	7,5 / 7,5
TITAN 2AM 280-30 T	150	6″	7	280	30	2900 / 3550	11,8 / 11,0
TITAN 2AM 370-45 T	150	6″	7	370	45	2900 / 3550	26,5 / 27,0
TITAN 4AM 1200-40 T	250	10″	12	1200	40	1450 / 1750	54 / 63
TITAN 2AH 70-40 T	75	3″	6	70	40	2900	4,7
TITAN 2AH 75-50 T	75	3″	6	75	50	2900 / 3550	7,5 / 7,5
TITAN 2AH 80-70 T	100	4″	7	80	70	2900 / 3550	11,8 / 11,0
TITAN 2AH 120-85 T	100	4″	7	120	85	2900 / 3550	26,5 / 27,0
TITAN 2AS 60-25 T	75	3″	50	60	25	2900 / 3550	7,5 / 7,5

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G - cast iron
F - cast iron / AISI 304 stainless steel

Model	Port		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m³/h (max)	m (max)	rpm	kW
TITAN 2GL 11-8	32	1¼"	7	11	8	2850	0,3
TITAN 2GL 13-9	32	1¼"	7	13	9	2850	0,37
TITAN 2GL 20-10	40	1½"	9	20	10	2850	0,6
TITAN 2GL 23-12	40	1½"	9	23	12	2850	0,75
TITAN 2GL 29-18	40	1½"	9	29	18	2850	1,1
TITAN 2GL 35-19	40	1½"	9	35	19	2850	1,5
TITAN 2GL 22-8	50	2"	12	22	8	2850	0,6
TITAN 2GL 27-10	50	2"	12	27	10	2850	0,75
TITAN 2GL 35-15	50	2"	12	35	15	2850	1,1
TITAN 2GL 40-17	50	2"	6	40	17	2850	1,5
TITAN 2FL 24-20	40	1½"	8	24	20	2850	1,1
TITAN 2FL 18-19	50	2"	8	18	19	2850	1,1
TITAN 2FL 25-22	50	2"	8	25	22	2850	1,5
TITAN 2FL 31-27	50	2"	8	31	27	2850	2,25

X - AISI 304 stainless steel
K - AISI 316 stainless steel

Model	Port		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m³/h (max)	m (max)	rpm	kW
TITAN 2XL 10-11	25	1"	2	10	11	2850	0,4
TITAN 2XL 9-6	32	1¼"	2	9	6	2850	0,25
TITAN 2XL 9-7	32	1¼"	10	9	7	2850	0,25
TITAN 2XL 11-7	32	1¼"	20	11	7	2850	0,45
TITAN 2XL 14-9	32	1¼"	2	14	9	2850	0,45
TITAN 2XL 14-10	32	1¼"	10	14	10	2850	0,45
TITAN 2XL 15-12	40	1½"	10	15	12	2850	0,6
TITAN 2XL 18-15	40	1½"	10	18	15	2850	0,75
TITAN 2XL 12-10	50	2"	2	12	10	2850	0,4
TITAN 2XL 19-15	50	2"	7	19	15	2850	0,75
TITAN 2XL 24-17	50	2"	10	24	17	2850	1,1
TITAN 2XL 30-18	50	2"	10	30	18	2850	1,1
TITAN 2XL 36-19	50	2"	10	36	19	2850	1,8
TITAN 2XL 54-20	50	2"	10	54	20	2850	2,3
TITAN 2XL 72-21	75	3"	10	72	21	2850	3
TITAN 2XL 90-22	75	3"	10	90	22	2850	4,5
TITAN 2KL 9-7	32	1¼"	10	9	7	2850	0,25
TITAN 2KL 11-7	32	1¼"	20	11	7	2850	0,45
TITAN 2KL 14-10	32	1¼"	10	14	10	2850	0,45

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varisco
solid pumping solutions



BLACK

Submersible sewage pumps

Submersible centrifugal pumps, ideal for pumping liquids with solids in suspension, in civil and industrial sewage plants.

- Impeller types: open multi-channel, Vortex, with grinder, open and closed single-channel, closed dual-channel
- Wide range of materials: cast iron, cast iron/AISI 304 stainless steel, AISI 304 - 316 stainless steel

G - cast iron

Model	Port		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m^3/h (max)	m (max)	rpm	kW
BLACK 2G3 11-8	32	1¼"	12	11	8	2900	0,3
BLACK 2G3 13-9	32	1¼"	12	13	9	2900	0,37
BLACK 2G1 20-10	40	1½"	17	20	10	2900	0,6
BLACK 2G1 23-12	40	1½"	17	23	12	2900	0,75
BLACK 2G1 29-18	40	1½"	22	29	18	2900	1,1
BLACK 2G1 35-19	40	1½"	22	35	19	2900	1,5
BLACK 2G1 22-8	50	2"	17	22	8	2900	0,6
BLACK 2G1 27-10	50	2"	17	27	10	2900	0,75
BLACK 2G1 35-15	50	2"	22	35	15	2900	1,1
BLACK 2G1 40-17	50	2"	22	40	17	2900	1,5
BLACK 2G3 8-6	32	1¼"	20	8	6	2900	0,3
BLACK 2G3 9-6	32	1¼"	20	9	6	2900	0,37
BLACK 2G1 12-8	40	1½"	30	12	8	2900	0,6
BLACK 2G1 15-10	40	1½"	30	15	10	2900	0,75
BLACK 2G1 18-6	50	2"	40	18	6	2900	0,6
BLACK 2G1 24-6	50	2"	40	24	6	2900	0,75
BLACK 2G1 31-12	50	2"	40	31	12	2900	1,1
BLACK 2G1 28-11	50	2"	50	28	11	2900	1,1
BLACK 2G1 32-11	50	2"	50	32	11	2900	1,5
BLACK 2G1 36-15	50	2"	40	36	15	2900	1,5
BLACK 2G1 45-18	65	2½"	40	45	18	2900	1,5
BLACK 2G1 60-22	65	2½"	40	60	22	2900	2,2
BLACK 2G1 72-18	80	3"	45	72	18	2900	3
BLACK 2G1 90-22	80	3"	45	90	22	2900	4,1
BLACK 2G1 130-32 T	80	3"	55	130	32	2900	7,5
BLACK 2G1 13-16 CUT	32	1¼"	6	13	16	2900	0,9
BLACK 2G1 14-18 CUT	32	1¼"	6	14	18	2900	1,1
BLACK 4G1 82-12	80	3"	75	82	12	1450	1,5
BLACK 4G1 84-13	80	3"	75	84	13	1450	2,2
BLACK 4G1 96-15	80	3"	75	96	15	1450	3
BLACK 4G1 88-10	100	4"	85	88	10	1450	1,5
BLACK 4G1 93-12	100	4"	85	93	12	1450	2,2
BLACK 4G1 101-13	100	4"	85	101	13	1450	3
BLACK 4G1 74-8	80	3"	80	74	8	1450	1,5
BLACK 4G1 81-9	80	3"	80	81	9	1450	2,2
BLACK 4G1 88-11	80	3"	80	88	11	1450	3
BLACK 4G1 84-7	100	4"	90	84	7	1450	1,5
BLACK 4G1 95-8	100	4"	90	95	8	1450	2,2
BLACK 4G1 102-10	100	4"	90	102	10	1450	3
BLACK 4G1 155-14 T	100	4"	90	115	14	1450	4
BLACK 4G1 180-16 T	100	4"	90	180	16	1450	5,5

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F - cast iron / AISI 304 stainless steel

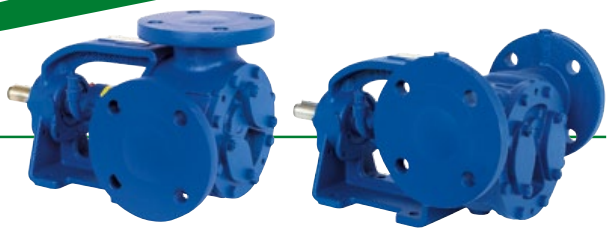
Model	Port		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m³/h (max)	m (max)	rpm	kW
BLACK 2F4 12-7	40	1½"	30	12	7	2900	0,5
BLACK 2F4 16-8	40	1½"	35	16	8	2900	0,6
BLACK 2F3 27-8	50	2"	45	27	8	2900	0,37
BLACK 2F3 30-9	50	2"	45	30	9	2900	0,55
BLACK 2F3 39-11	50	2"	45	39	11	2900	0,75
BLACK 2F3 42-13	50	2"	45	42	13	2900	1,1
BLACK 2F3 45-15	50	2"	45	45	15	2900	1,5
BLACK 2F4 24-9	50	2"	50	24	9	2900	0,75
BLACK 2F4 27-11	50	2"	50	27	11	2900	1,1
BLACK 2F4 30-13	50	2"	50	30	13	2900	1,5
BLACK 2F4 72-21	80	3"	50	72	21	2900	2,3
BLACK 2F4 82-27	80	3"	50	82	27	2900	3
BLACK 2F4 97-31	80	3"	50	97	31	2900	4,5
BLACK 2F4 75-21	80	3"	50	75	21	2900	2,3
BLACK 2F4 81-27	80	3"	50	81	27	2900	3
BLACK 2F4 96-31	80	3"	50	96	31	2900	4,5
BLACK 2F4 30-12	50	2"	50	30	12	2900	0,75
BLACK 2F4 36-15	50	2"	50	36	15	2900	1,1
BLACK 2F4 42-16	50	2"	50	42	16	2900	1,5
BLACK 2F4 12-22 CUT	40	1½"	-	12	22	2900	1,1
BLACK 2F4 15-19 CUT	50	2"	-	15	19	2900	1,1
BLACK 2F4 20-21 CUT	50	2"	-	20	21	2900	1,5
BLACK 2F4 21-24 CUT	50	2"	-	21	24	2900	2,3

X - AISI 304 stainless steel
K - AISI 316 stainless steel

Model	Port		Solids	Capacity	Head	Speed	Power
	mm	in	mm	m³/h (max)	m (max)	rpm	kW
BLACK 2X4 16-9	40	1½"	40	16	9	2900	0,6
BLACK 2X4 24-11	50	2"	50	24	11	2900	0,75
BLACK 2X4 26-13	50	2"	50	26	13	2900	1,1
BLACK 2X4 27-14	50	2"	50	27	14	2900	1,5
BLACK 2X4 30-10	65	2½"	60	30	10	2900	1,1
BLACK 2X4 42-12	65	2½"	60	42	12	2900	1,5
BLACK 2X4 54-13	80	3"	80	54	13	2900	2,3
BLACK 2X4 65-16	80	3"	80	65	16	2900	3
BLACK 2X4 39-15	50	2"	60	39	15	2900	1,5
BLACK 2X4 30-12	50	2"	50	30	12	2900	0,75
BLACK 2X4 36-15	50	2"	50	36	15	2900	1,1
BLACK 2X4 42-16	50	2"	50	42	16	2900	1,5
BLACK 2K1 14-11	50	2"	30	14	11	2900	0,6
BLACK 2K1 24-11	50	2"	50	24	11	2900	0,75
BLACK 2K1 26-13	50	2"	50	26	13	2900	1,1

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V Positive displacement internal gear pumps

Positive displacement internal gear pumps for pumping liquids with any kind of viscosity, even with abrasive particles but, not containing solids. They are used in industrial plants.

- Constant capacity, directly proportional to the rotational speed and virtually independent of pressure
- Smooth flow, without pulsations or pressure peaks which could cause vibrations in the pipework
- Rugged, heavy duty construction. Low rotor peripheral speed
- Wide range of materials: ductile iron, WCB steel, AISI 316 stainless steel
- Versions: ATEX and API 676
- Viscosity: from 20 to 100,000 [mm²/s - cSt]
- Temperature of the liquid: 200°C max (HT version: 300°C)

Model	Ports		Capacity	Pressure	Speed	Ductile iron		Stainless steel	
						Port position		Port position	
	mm	in	m³/h (max)	bar (max)	rpm (max)	90°	180° (L)	90°	180° (L)
V 6	15	½"	0,48	20	1750		•		•
V 12	15	½"	0,9	20	1750		•		•
V 20	40	1¼"	2,2	20	1750		•		•
V 25	40	1¼"	3,8	20	1750		•		•
V 25-2	40	1¼"	4,5	16	1750	•	•	•	
V 30-2	40	1¼"	8,4	16	1750	•	•	•	
V 50-3	50	2"	15,6	16	1150	•	•	•	
V 60-2	50	2"	22	16	720	•	•		•
V 70-2	80	3"	28	16	600	•	•		•
V 80-2	80	3"	42	16	600	•	•		•
V 85-2	100	4"	54	12	600	•			
V 90-2	100	4"	54	12	425	•	•	•	
V 100-2	100	4"	78	12	425	•	•	•	
V 120-2	125	5"	117	8	320	•			
V 151	150	6"	117	8	320			•	
V 150-2	150	6"	144	8	320	•			
V 180	200	8"	170	10	240		•		•
V 200	200	8"	240	8	240		•		•
V 250	250	10"	350	8	200		•		•

Note: **(L):** in line ports
V6 - V12: cast iron (EN GJL 200) - port position 0°-180°
V20 - V25: cast iron (EN GJL 200)
V25-2; V30-2: ductile iron (EN GJS 500-7) for casings with flanged ports or integral heating jackets - cast iron (EN GJL 200) for pumps with threaded ports.



EP V 30-2 ATEX



V 100-2 SPHTR

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VULCAN

Progressive cavity screw pumps

Progressive cavity screw pumps for liquids with any kind of viscosity that contain abrasives and a high percentage of solids. They are used in industrial plants.

- Constant capacity, directly proportional to the rotational speed and quite independent of pressure
- Smooth flow, without pulsations or pressure peaks which could cause vibrations in the pipework
- Viscosity up to 1,000,000 [cPs]
- Liquid temperature: 180°C max
- ATEX version

Model	Stages n°	Capacity m³/h	Pression bar	Speed rpm (max)
VULCAN 12-0.1	2	0,1	12	1000
VULCAN 24-0.1	4	0,1	24	1000
VULCAN 12-0.2	2	0,2	12	1000
VULCAN 06-001	1	1	6	1000
VULCAN 12-001	2	1	12	1000
VULCAN 06-002	1	2	6	1000
VULCAN 12-002	2	2	12	1000
VULCAN 24-002	4	2	24	1000
VULCAN 06-003	1	3	6	1000
VULCAN 06-005	1	5	6	1000
VULCAN 12-005	2	5	12	1000
VULCAN 24-005	4	5	24	1000
VULCAN 06-006	1	6	6	1000
VULCAN 12-003	2	3	12	1000
VULCAN 24-001	4	1	24	1000
VULCAN 06-012	1	12	6	1000
VULCAN 12-006	2	6	12	1000
VULCAN 24-003	4	3	24	800
VULCAN 48-001	8	1	48	800
VULCAN 04-024	1	24	4	800
VULCAN 06-016	1	16	6	800
VULCAN 08-012	2	12	8	800
VULCAN 12-008	2	8	12	800
VULCAN 24-004	4	4	24	800
VULCAN 48-002	8	2	48	600

Model	Stages n°	Capacity m³/h	Pression bar	Speed rpm (max)
VULCAN 04-034	1	34	4	700
VULCAN 06-028	1	28	6	700
VULCAN 08-017	2	17	8	600
VULCAN 12-014	2	14	12	600
VULCAN 24-007	4	7	24	500
VULCAN 48-003	8	3	48	400
VULCAN 04-064	1	64	4	500
VULCAN 06-044	1	44	6	500
VULCAN 08-032	2	32	8	500
VULCAN 12-022	2	22	12	500
VULCAN 24-010	4	10	24	400
VULCAN 48-005	8	5	48	300
VULCAN 04-110	1	110	4	400
VULCAN 06-076	1	76	6	400
VULCAN 08-055	2	55	8	400
VULCAN 12-038	2	38	12	400
VULCAN 24-019	4	19	24	400
VULCAN 48-010	8	10	48	300
VULCAN 06-115	1	115	6	350
VULCAN 12-120	2	120	12	350
VULCAN 06-210	1	210	6	300
VULCAN 12-210	2	210	12	300
VULCAN 06-240	1	240	6	300
VULCAN 06-400	1	400	6	300



VULCAN E48-010

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LB — Self-priming diaphragm pumps

Self-priming mechanical diaphragm pumps for dense liquids that contain abrasives and solids in suspension. They are used in industrial and construction sectors.

- Rapid dry self-priming down to 6 m in a few seconds
- Can run dry indefinitely
- High abrasion resistance
- Passage of large diameter solids

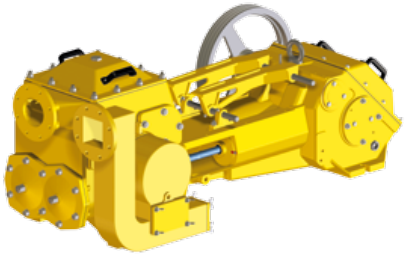
Model	Gear box rapp./ratio: 1	Ports mm	Ports in	Solids mm	Capacity l/s	Capacity l/min	Capacity m³/h	Head m (max)	Speed rpm	Strokes / min	Power kW
LB 60	25	50	2″	20	1,4	85	5,0	10	1400	64	0,35
LB 65	43	50	2″	20	1,8	110	6,6	10	2900	68	1,1
LB 80	43	80	3″	50	3,5 1,8 1,2	210 105 70	12,6 6,5 4,3	15	2900 1450 960	68 34 22	2,2 1,5 1,1
LB 80V	38	80	3″	50	1,9 1,3 1,0	115 77 57	6,9 4,6 3,6	15	1450 960 720	38 25 19	1,5 1,1 0,55
LB 80V2	28	80	3″	50	2,6 1,8 1,3	155 105 77	9,3 6,5 4,6	15	1450 960 720	51 34 26	1,5 1,1 0,55
LB 100	43	100	4″	50	6,9 3,5 2,3	410 205 135	24,8 12,6 8,3	15	2900 1450 960	68 34 22	3 2,2 1,5
LB 100	26	100	4″	50	5,7 3,8 2,9	340 225 170	20,5 13,6 10,4	15	1450 960 720	56 37 28	2,2 1,5 1,1
LB 1 - 4″	31	100	4″	60	7,6 5,3 4,2	467 317 250	28,0 19,0 15,0	15	1450 960 720	47 31 23	3 2,2 1,5
LB 1 - 4″	55	100	4″	50	7,6	467	28,0	15	2900	54	5,1
LB 2 - 6″	30,2	125	5″	60	11,7 8,4	700 500	42,0 30,0	15	1450 960	48 32	5,5 4
LB 2 - 6″	58,5	125	5″	60	13,4	800	48,0	15	2900	52	5,5

THOR — Piston pumps

Double acting piston pump suitable for ground water dewatering with wellpoint system or horizontal drainage hoses.

- Automatic dry priming
- Can run dry indefinitely without risk of damage or excessive wear of parts
- High efficiency: 93%
- Reduced and easy maintenance
- Melody Thor silenced version

Model	Ports mm	Ports in	Capacity m³/h	Head m	Motor	Power kW	Power HP
THOR 60	100	4″	60	20	Eletric	5,5	7,5
THOR 90	150	6″	90	20	Diesel	7,5	10





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Magnetic drive pumps

The SAXMAG system, thanks to the static seal, allows power to be transmitted without contact and with absolutely no leaks.
The SAXMAG magnetic drive is used in industrial plants for pumping inflammable, explosive, polymerising liquids.

- High torque transmission
- High operating temperature limit: 200°C (SAXMAG V)
- Absence of eddy currents / heat development (SAXMAG J with tempered glass containment shell)
- Compliance with ATEX standards

SAXMAG V

Model	Ports	
	mm	in
V 6	15	½"
V 12	15	½"
V 20	40	1¼"
V 25	40	1¼"
V 25-2	40	1¼"
V 30-2	40	1¼"
V 50-3	50	2"
V 60-2	50	2"
V 70-2	80	3"
V 80-2	80	3"
V 85-2	100	4"
V 100-2	100	4"



SAXMAG VE 30-2 ATEX

SAXMAG J

Model	Ports	
	mm	in
J 1-110	40	1½"
J 1-180	40	1½"
J 2-120	50	2"
J 2-180	50	2"
J 3-140	80	3"
J 3-210	80	3"



SAXMAG JE 1-180

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ARGO

Firefighting units

Firefighting units in conformity with EN 12845 standards for sprinkler and hydrants. Arrangement with one or two electrically-driven or engine-driven pumps, complete with jockey pump. VISION: special firefighting applications.

- End-suction back pull-out pumps with spacer coupling
- Components and accessories manufactured in full compliance with the EN 12845 standards
- Diesel engine with heat exchanger available on many models

Model	Capacity	Head	Rated power	
			P_{2n} (E)	P (M)
	m^3/h (max)	m w.c. (max)	kW	kW
ARGO 40	40	89	7,5 ... 18,5	7,1 ... 17,7
ARGO 70	70	102	11 ... 30	10,4 ... 26
ARGO 110	110	95	15 ... 45	12,5 ... 48
ARGO 170	170	100	22 ... 75	26 ... 62
ARGO 300	300	102	37 ... 90	33 ... 94
ARGO 400	400	98	45 ... 110	48 ... 132
ARGO 600	600	96	90 ... 160	94 ... 166

(E): electric motor
(M): diesel engine



ARGO 1EM-110



ARGO 1EM-600

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TAURUS

Engine-driven pumps with canopy for firefighting duty

The TAURUS is a mobile fire station with high pressure engine-driven pump. It is used on construction sites to ensure the safety of operators and equipment in those environments without fixed firefighting systems.

- High-pressure pump: 11 bar
- Galvanized steel canopy with polyester powder coating
- Turbo diesel engine with water cooling
- Internal fuel tank of 100 liters, with possibility of external fuel supply

Model	Ports	Capacity m³/h			Head m			Speed rpm	Power kW
TAURUS 110	UNI 70	125	80	40	98	107	112	2.900	62





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Construction



Varisco's pumps can meet the most difficult requirements in the construction industry, as they ensure flow rates up to 20,000 l/m (1.200 m^3/h), head pressures up to 110 m and a solid passage up to 3".

Drainage of turbid or sandy liquids or with solids in suspension of basements, channels and reservoirs with centrifugal, self-priming or with open impeller pumps (high performance), vacuum assisted, silenced and submersible electro-pumps;

Ground water dewatering with wellpoint systems or with drain pipes, with vacuum-assisted centrifugal pumps or piston pumps;

Drilling systems with bentonite pumping and abrasive drilling muds with centrifugal pumps made of hard cast iron.



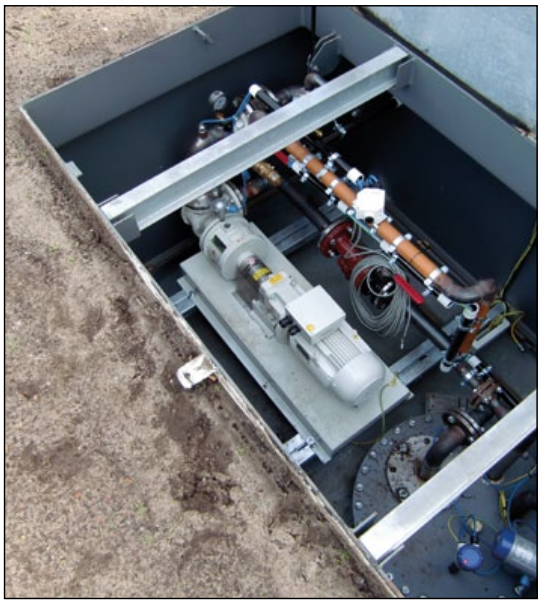


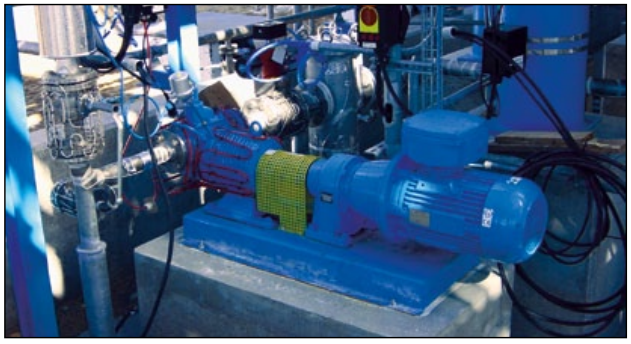
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Industry

Varisco can provide the Industry with different types of centrifugal and volumetric pumps, which guarantee flow rates up to 20,000 l/min (1,200 m^3/h) pressure values up to 48 bar and viscosity up to 1,000,000 cPs. This wide range of pumps can meet the most demanding requirements in the various industrial sectors:
Transfer of clear or turbid liquids, neutral, alkaline or acidic liquids, flammable liquids, low viscosity hydro-carbons and solvents;
Agriculture: Surface irrigation, oxygenation of sewage, pouring and distributing sludge or fertilizing liquids. In both cases, self-priming centrifugal pumps or open impeller pumps (standard or ATEX version) are used, even with magnetic drive, submersible electro-pumps, membrane pumps and progressing cavity pumps for viscous liquids with solids and fibers;
Naval: ballasting, transfer, bilge, fire-fighting. **Mining:** mine water, mud.
In both cases, self-priming centrifugal pumps or open impeller pumps (standard or ATEX version) are used.
Treatment: pumping of waste water, even if polluted, hot, sandy, muddy, corrosive or containing solid bodies using self-priming centrifugal pumps or open impeller pumps, submersible electro-pumps, membrane pumps and progressing cavity pumps for viscous liquids with solids and fibers;
Viscous liquids: resins, adhesives, biodiesel, dyes, paints, inks, detergents, oil sludge, bilge water, oils, feed, dough, chocolate, fruit juice, pulp fruit with internal gear pumps, for viscosity up to 100,000 cSt and temperature up to 300°C, standard or ATEX version, even with magnetic drive and progressing cavity pumps for viscosity up to 1,000,000 cPs.









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Safety

Varisco can provide a wide range of high performance self-priming engine-driven pumps, with flow rates up to 20,000 l/min (1.200 m^3/h) and a solid passage up to 3", designed and set up according to the technical specifications of the Fire Brigade and Civil Defense Service. Finally, the firefighting units (EN 12845), with flow rates up to 600 m^3/h, complete the range of solutions available for the safety industry:

Emergency duty: Draining after floods, fire-fighting, recovery of dangerous liquids with self-priming centrifugal pumps set up on stretcher or road trailer, silenced vacuum-assisted centrifugal motor-pumps and submersible electro-pumps;

Firefighting with units complying with Standard EN 12845, tank firefighting units and firefighting mobile stations equipped with cabins.









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