



SUBMERGED PUMPS

SERIES ARTIKA

for *INDUSTRIAL GASES*



Technical features

- ▶ Available in single or multistage (2, 3, 4 or 6) configurations
- ▶ Inducer to minimise NPSH required
- ▶ Suitable to work submerged in a sump or in a tank
- ▶ Integrated motor suitable for VFD
- ▶ Low maintenance
- ▶ Low noise (< 80 dB)
- ▶ Suitable for both continuous and discontinuous use

Liquids transferred

- ▶ LIN, LAR
- ▶ Cannot be used with LOX

Applications

- ▶ Liquid transfer from mobile tanks to fixed tanks / ISO-container
- ▶ Processes that require set conditions of prevalence and capacity

Optional accessories

- ▶ Sump equipped with safety valves, manual valves for gas and liquid venting and pressure gauge
- ▶ Feed through electrical connector
- ▶ Filter
- ▶ Flexible hose for suction, return and discharge line
- ▶ Leakage detection on feed through
- ▶ Mounting bracket for in-tank installations
- ▶ Electrical control panel
- ▶ Integrated skid solutions available on request

Tests and controls

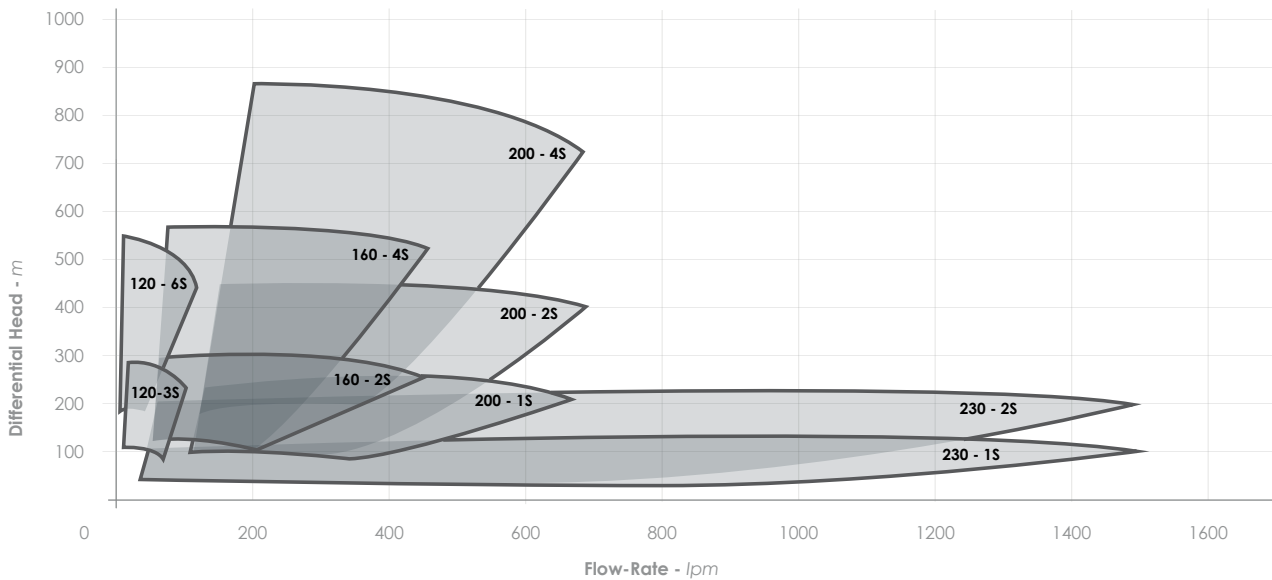
- ▶ Dimensional control of each mechanical component before assembly
- ▶ Running test of each pump with LIN before delivery

Standards

- Project compliant with:
- ▶ European Machinery Directive 2006/42/EC
 - ▶ European PED 97/23/EC
 - ▶ EIGA/IGC/CGA Guidelines

MODELS AND PERFORMANCES

Model	ARTIKA 120 L		ARTIKA 160 L		ARTIKA 200 L			ARTIKA 230 L	
	3S	6S	2S	4S	1S	2S	4S	1S	2S
N° of stages	3	6	2	4	1	2	4	1	2
Min - max flow rate [lpm]	20-100	20-100	30-430	30-430	60-640	60-640	60-640	100-1450	100-1450
Differential head [m]	45-270	90-540	55-280	105-560	50-220	95-445	190-890	45-100	90-200
Design pressure [bar]	30	30	15	30	15	20	40	5	10
Max rotation speed [rpm]	6.900	6.900	5.835	5.845	6.025	6.015	6.015	3.650	3.650
Power installed [kW]	5,5	11	12,6	22-30	22	30	60	13	30
Weight [kg]	45	55	60	80	120	130	165	130	175



SUMP SPECIFICS

Model	Volume [litres]	Weight [Kg]	Design Pressure [bar]
ARTIKA 120	100	160	25
ARTIKA 160	100	160	25
ARTIKA 200	210	470	20
ARTIKA 230	210	470	20

Data can be subjected to change.



Certified quality management system