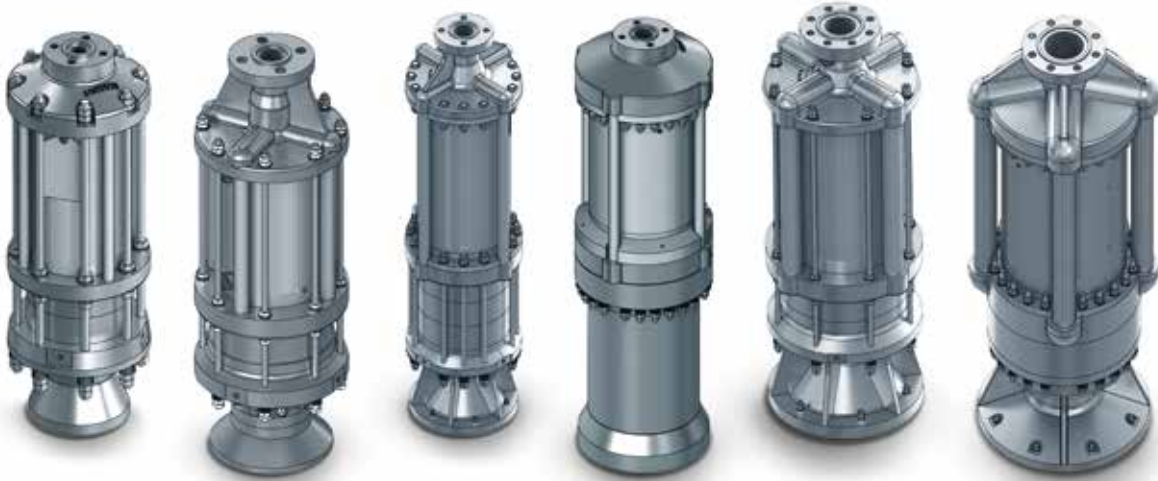


## CRYOGENIC SUBMERGED PUMPS

**ARTIKA SERIES**

FOR LIQUEFIED NATURAL GAS (LNG)

**TECHNICAL FEATURES**

- Available in 1 stage or multistages configurations (2, 3, 4 or 6)
- Helical inducer to minimize NPSH requested
- Designed to work submerged in a cryostat/sump or in cryogenic tank
- Integrated motor to be used with inverter/VFD
- Low maintenance due to the absence of elements subject to wear and the continuous LNG lubrication
- Reduced noise (<80 dB)
- Suitable for both continuous and discontinuous use

**APPLICATIONS**

- Low pressure (10/20 bar) marine engine fuel gas systems
- Stripping and spray applications
- Booster
- Ship to ship bunkering
- Cargo, FSRU, FSU

**OPTIONAL ACCESSORIES**

- Cryostat/sump equipped with safety valves, liquid and gas drain valves and other accessories
- Double feed through electrical connector
- Mounting bracket for in-tank installations
- Internal cryogenic power cables
- External power cables
- Junction box

**TEST AND CHECKS**

- Dimensional control of each mechanical component before assembly
- Performance test of each pump with LIN before delivery (with class and with customer)

**STANDARDS**

Designed according to:

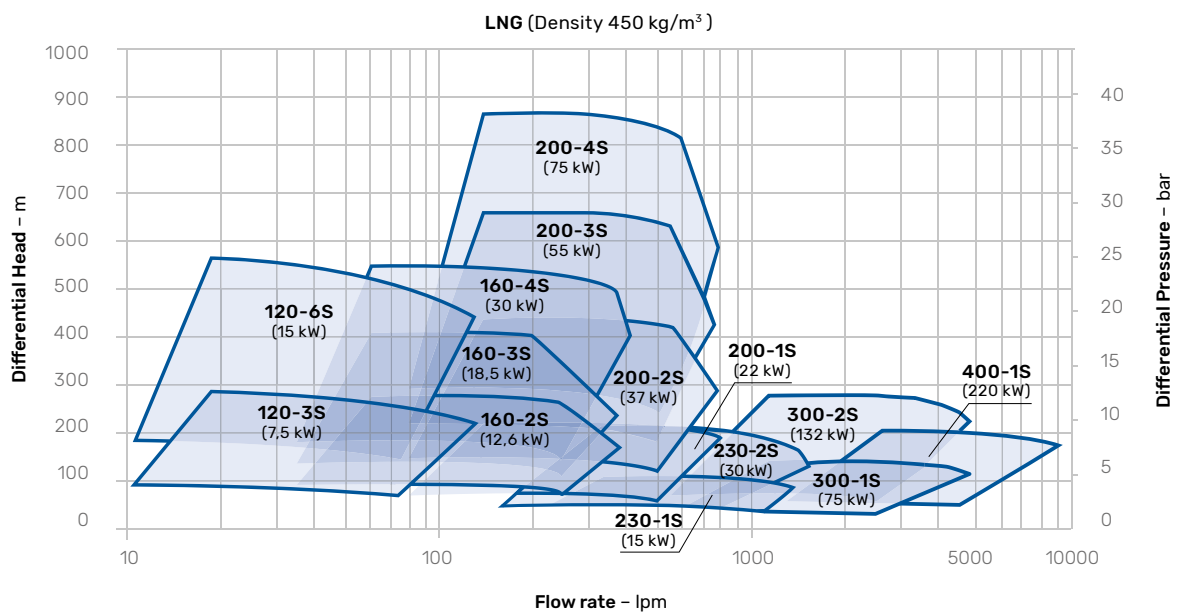
- European Directive Machinery
- European Directive ATEX
- EIGA/IGC/CGA guidelines
- Marine Class Certifications:  
BV, DNV-GL, ABS, RINA, LR, CCS, NK, KR, RS

**ARTIKA SERIES** PERFORMANCES

Model	N° of stages	Power installed Pm [kW]	Max operating speed rpm	Max frequency F [Hz]	Flow rate min-max (*) Q [lpm]	Max differential Head DH [m]	Maximum allowable working pressure MAWP [bar]	Weight W [kg]
<b>ARTIKA 120</b>	<b>3S</b>	7,5	6900	122	10 - 120	285	30	45
	<b>6S</b>	15	6900	122	10 - 120	570	30	55
<b>ARTIKA 160</b>	<b>2S</b>	12,6	5835	104	40 - 420	270	15	60
	<b>3S</b>	18,5	5820	104	40 - 420	405	22	75
	<b>4S</b>	22 - 30	5845 - 5790	104	40 - 420	540	30	80 - 100
<b>ARTIKA 200</b>	<b>1S</b>	22	6015	104	80 - 880	215	30	135
	<b>2S</b>	30 - 37	6015	104	80 - 880	430	30	135 - 160
	<b>3S</b>	55	6035	104	80 - 880	645	35	180
	<b>4S</b>	60 - 75	5985 - 5990	104	80 - 880	860	40	190 - 235
<b>ARTIKA 230</b>	<b>1S</b>	15	3665	63	130 - 1450	105	15	140
	<b>2S</b>	30	3650	63	130 - 1450	210	15	175
<b>ARTIKA 300</b>	<b>1S</b>	75	3000	51	550 - 5000	135	15	590
	<b>2S</b>	132	3000	51	550 - 5000	270	15	785
<b>ARTIKA 400</b>	<b>1S</b>	220	3000	51	1250 - 9100	200	12	1500

(\*) Hydraulic performances

Data can be subjected to change



**SUMP CHARACTERISTICS**

Model	Volume [litres]	Weight [kg]	Design Pressure [bar]
<b>ARTIKA 120</b>	80/100	160	20
<b>ARTIKA 160</b>	100	160	20
<b>ARTIKA 200</b>	210	470	20
<b>ARTIKA 230</b>	210	470	20
<b>ARTIKA 300</b>	860	1800	12

Data can be subjected to change



Certified quality management system

## CRYOGENIC SUBMERGED PUMPS

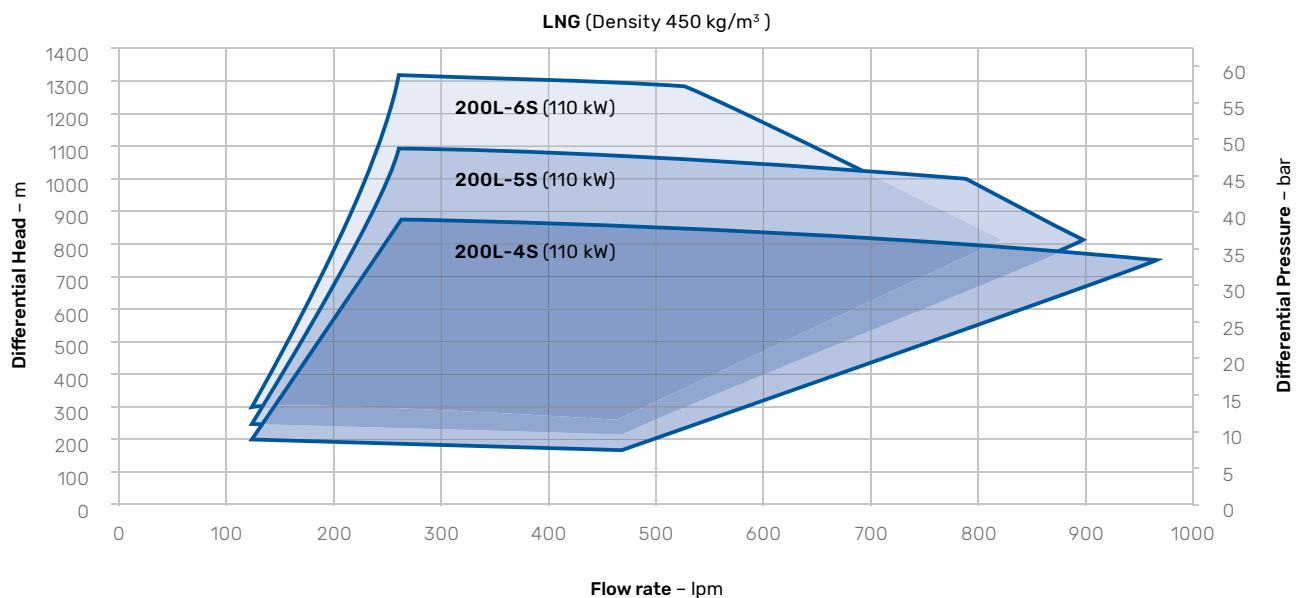
**ARTIKA 200L**

FOR LIQUEFIED NATURAL GAS (LNG)

**ARTIKA 200L** PERFORMANCES

Model	N° of stages	Power installed Pm [kW]	Max operating speed rpm	Max frequency F [Hz]	Flow rate min-max (*) Q [lpm]	Max differential Head DH [m]	Maximum allowable working pressure MAWP [bar]	Weight W [kg]
<b>ARTIKA 200L</b>	<b>4S</b>	110	6000	104	130 - 970	880	60	410
	<b>5S</b>	110	6000	104	130 - 970	1100	60	430
	<b>6S</b>	110	6000	104	130 - 970	1300	60	450

(\*) Hydraulic performances



## SUMP CHARACTERISTICS

Model	Volume [litres]	Weight [kg]	Design Pressure [bar]
<b>ARTIKA 200L</b>	450	1500	16

Data can be subjected to change



Certified quality management system