

VERTICALS PUMPS

Type V



APPLICATION: Nuclear industry

Oil / Gas sector,

**Industry, water supply
irrigation**

NUCLEAR DESIGN - NUCLEAR CODE

**OIL&GAS DESIGN - API 610 VS1. VS2. VS3.
VS4, VS5, VS6, VS7**

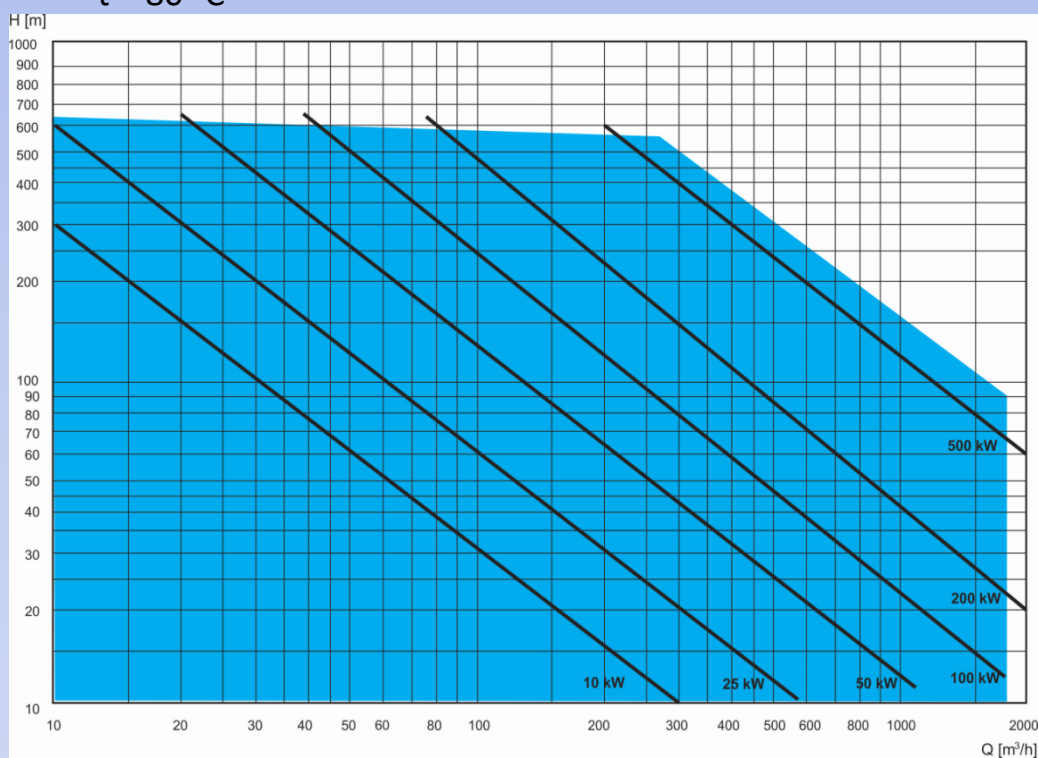
INDUSTRIAL DESIGN - ISO 5199

Standard range:

$Q = 10 - 2.000 \text{ m}^3/\text{h}$

$H = 10 - 600 \text{ m}$

$t = 80^\circ\text{C}$



Type	N nominal. rpm	Q opt m³/h	H opt One stage m
V 40	1450	40	5.2
V 70	1450	67.5	4.65
V 115	1450	115	8.3
V 170	1450	170	15.8
V 270	1450	280	20.4
V 400	1450	420	17.4
V 500	1450	525	22
V 700	1450	725	26
V 1000	1450	1050	31
V 1600	1450	1650	40.6



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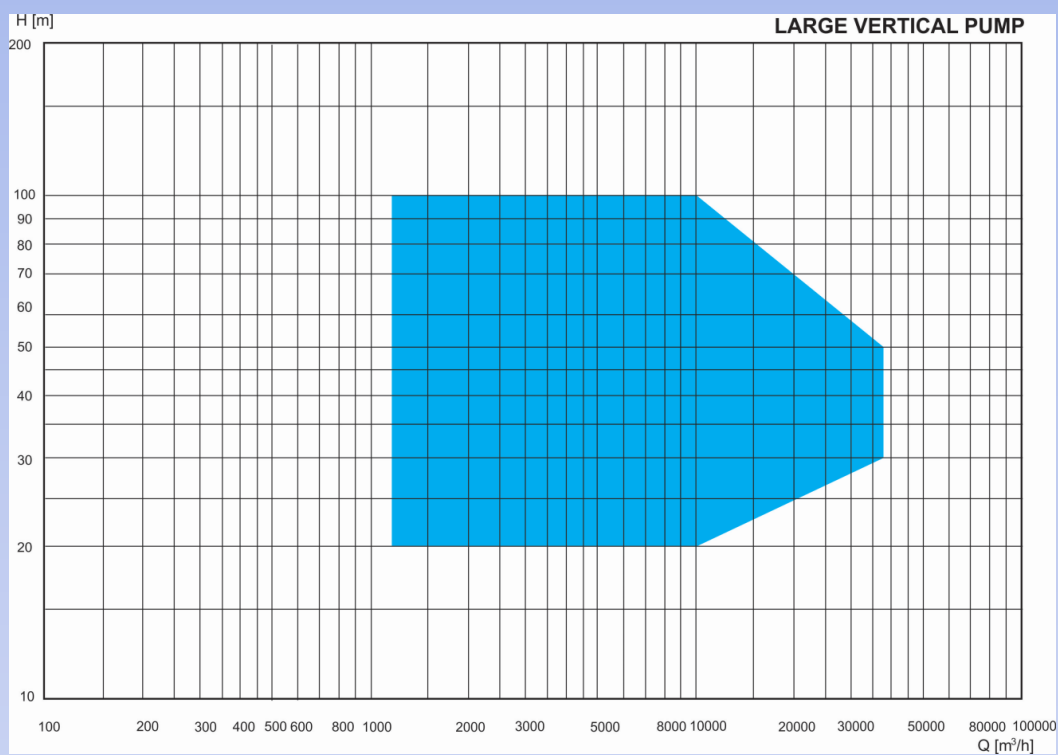


Pumps with bigger flow rate

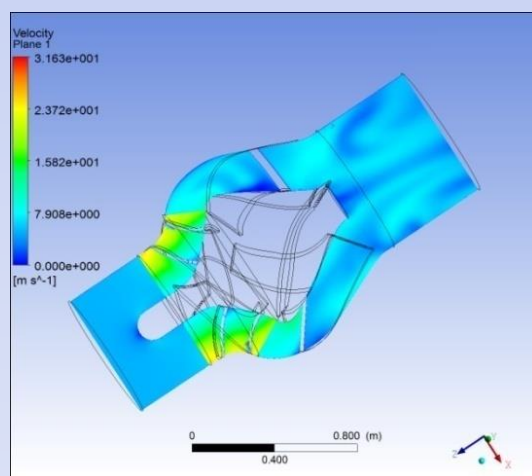
$Q = 1.200 - 37.000 \text{ m}^3/\text{h}$

$H = 4-100 \text{ m}$

max 1780 rpm



Type	N nom.	Q opt	H opt one stage
	rpm	m³/h	m
V 2300	1450	2400	39
V 3300	1450	3350	48.5
V 4500	980	4600	35
V 5500	730	5500	23.1
V 5600	590	5458	15.5
V 7300	730	7400	25.3
V 7400	590	7341	18.3
V 9500	730	9600	30.3
V 9600	590	9200	20.6
V15800	490	15800	20



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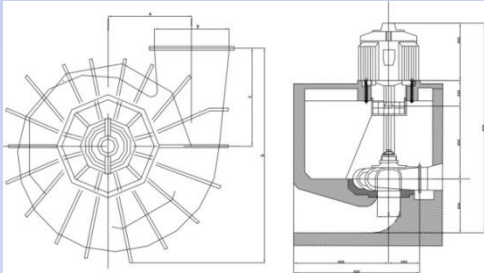
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Material of construction

Impeller	GG 25	1.4301	1.4401	1.4593
Difuzor	GG 25	1.4301	1.4401	1.4593
Shaft	1.4021	1.4021	1.4021	1.4021
Wear rings	Bronze/NBR	Bronze/NBR	Bronze/NBR	Bronze/NBR
Line shaft bearings	1.4301/bronze/NBR	1.4301/bronze/NBR	1.4301/bronze/NBR	1.4301/bronze/NBR
Suction bell	GG 25	1.4301	1.4401	1.4593
Discharge head and pipes	1.0503	1.0503	1.0503	1.0503

Special material of request





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

Cro Cert has issued an IQNet recognized certificate that the organization:

**SM PUMPS development and production
of hydraulic machines Srećko Mitruševski s.p.**

**Ul. Milana Majcna 18
1000 Ljubljana, Slovenia**

has implemented and maintains a

Quality Management System

for the following scope:

**Mechanical Engineering: development, construction and
production of different types of pumps,**

which fulfils the requirements of the following standard

ISO 9001:2015

Issued on : 2019 - 12 - 19

Expires on : 2022 - 12 - 18

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number : HR - 611



Alex Stoichitov

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President of IQNet

Damir Sučić

Damir Sučić
General Manager of Cro Cert



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