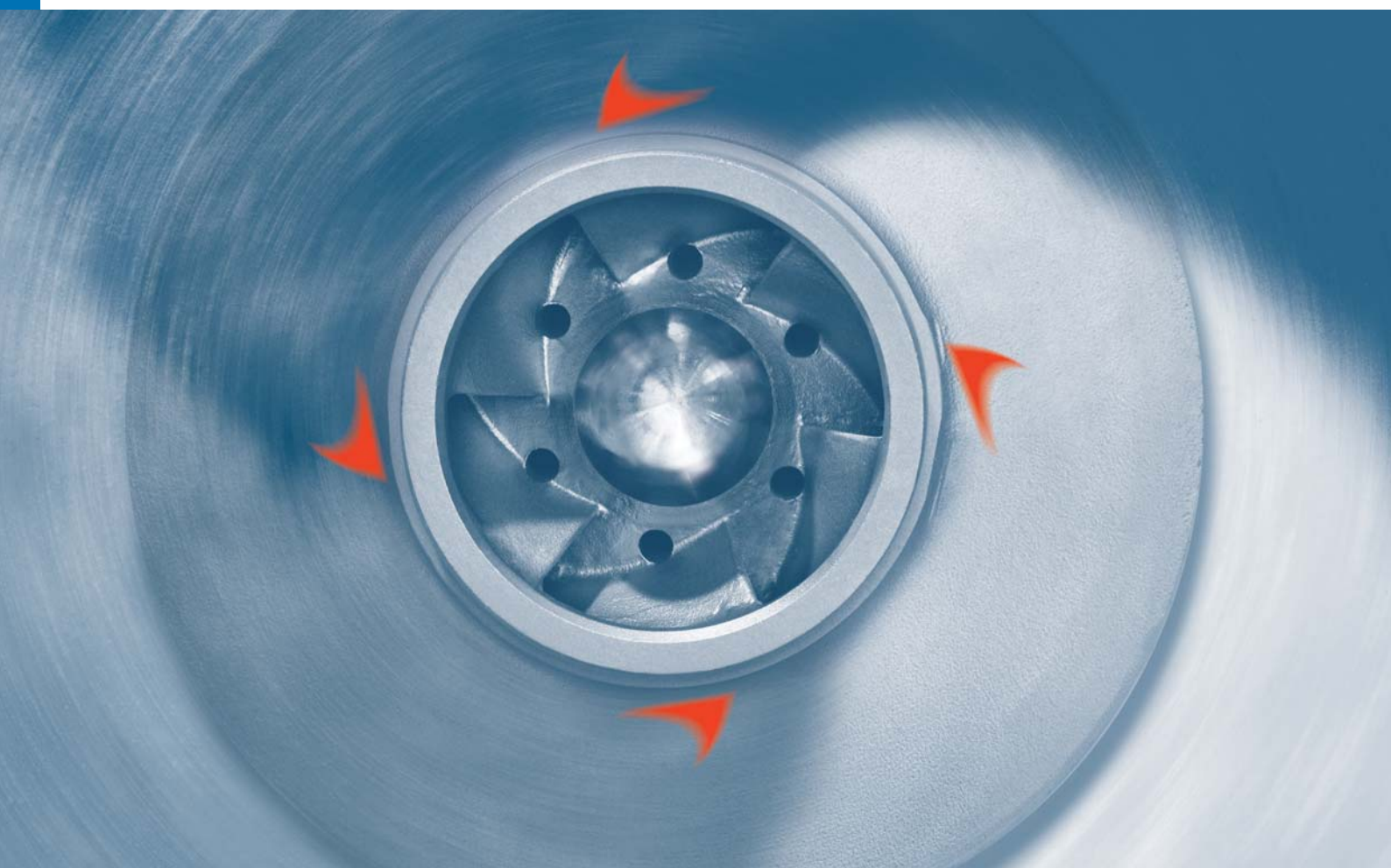




ANDRITZ High-Pressure Pump

MP Series



motralec

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX
Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48
Demande de prix / e-mail : service-commercial@motralec.com
www.motralec.com

Multi-Stage Pumps for clean media

For over 100 years, ANDRITZ has been a byword for competence and innovation in designing centrifugal pumps.

As suppliers of complete production systems for the pulp and paper industry, we have acquired broad expertise of the related process technologies – the basis for our successful development of components for conveying pulp and other media.

ANDRITZ MP Series High-Pressure Pumps meet the highest customer requirements in terms of efficiency, service life, serviceability and economy.

All pump parts are manufactured according to highest quality standards in our ISO certified workshops. The superior quality of our products derives from compliance with these stringent requirements.

Fields of application:

Pumping of clean and slightly contaminated media in industry, such as:

- Cold and hot water
- Condensate
- Deionised water
- Oils
- Suspensions

The facts:

- Flow rates up to 400 m³/h
- Heads up to 800 m
- Speed up to 3600 rpm
- Temperatures up to 160 °C
- Casing pressure up to 100 bar

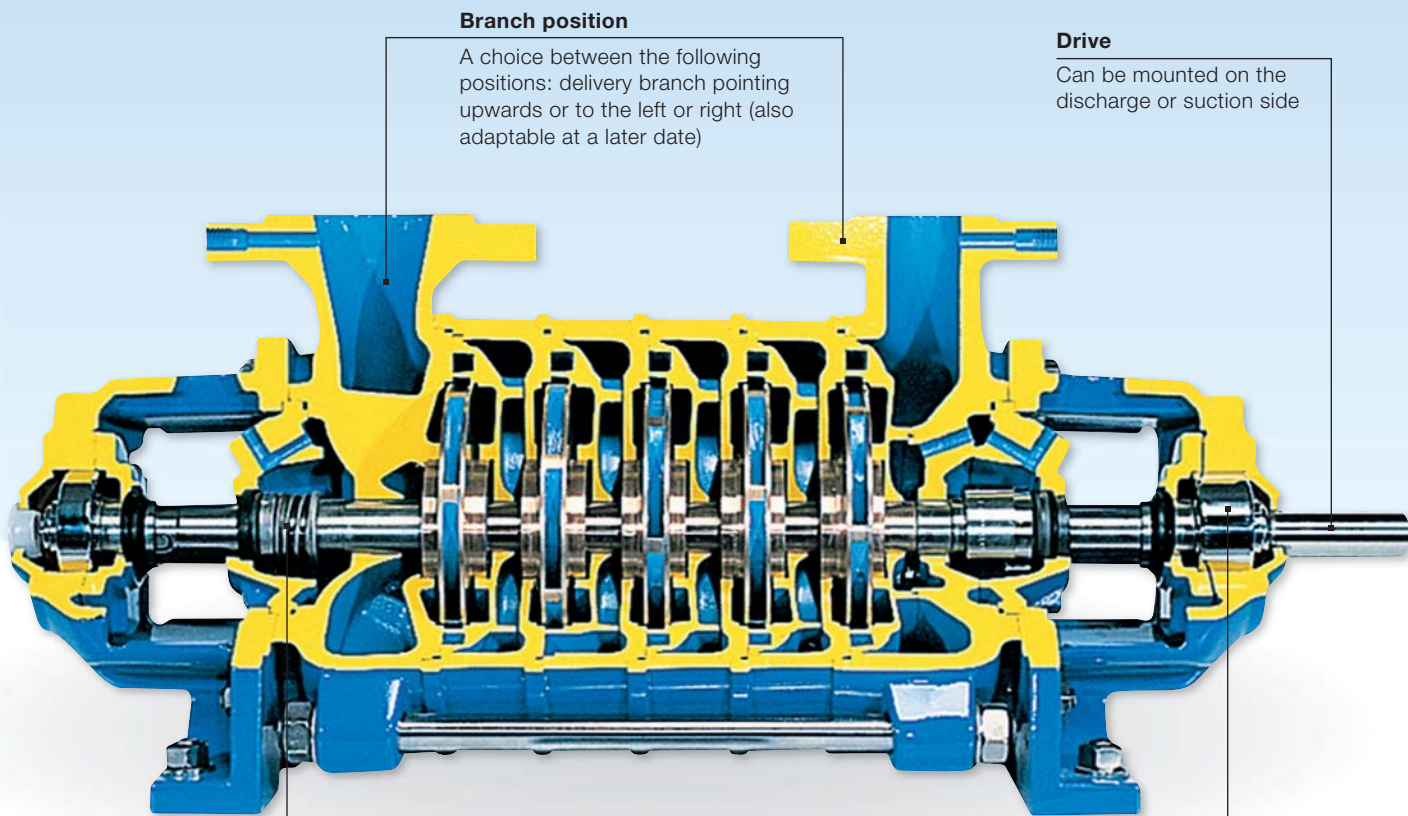


Technology to convince you

The high standard of the ANDRITZ Multi-stage MP Series is based on decades of experience in designing hydraulic machines and on extensive process know-how.

Advantages and special features

Horizontal design with closed impeller and external bearing assemblies on both sides. Axial heat expansion by the pump rotor is absorbed internally without influencing the coupling alignment. As the pump is designed for easy maintenance, the bearings and shaft seal can be changed without dismantling the pump body.



Branch position

A choice between the following positions: delivery branch pointing upwards or to the left or right (also adaptable at a later date)

Drive

Can be mounted on the discharge or suction side

Shaft seals

Mechanical seals or stuffing box glands

Bearing assemblies

Drive-side axial bearing designed as paired angular-contact bearing. Radial bearing designed as grooved bearing. Mechanical seals or stuffing box glands

Compact design and sturdy bearing assembly for continuous operation in industrial plants.

The Multi-Stage Pumps in the MP and MPE Series are designed according to a strict modular system. With this system different design variants can be supplied according to the customer's requirements quickly, easily and economically, without customizing and using a minimum number of components.

Modular design

The entire performance range is covered with seven mechanical pump sizes housing nine hydraulic systems.



ANDRITZ High-Pressure Pump
 MP Series

Pump size	Delivery branch DNd [mm]	Inlet branch DNs [mm]	Hydraulic system	Flow rate 50 Hz	Q [m ³ /h] 60 Hz
MP 40	40	65	40.2	30	36
	-	-	40.3	42	50
MP 65	65	100	65.1	70	80
	-	-	65.2	90	110
MP 100	100	125	100.1	150	180
	-	-	100.2	200	240
MP 125	125	150	125.1	240	280
	-	-	125.2	300	360
MPE 65	65	100	65.1	50	60
	-	-	65.2	75	90
MPE 100	100	125	100.1	110	132
	-	-	100.2	145	175
MPE 125	125	150	125.0	200	240
	-	-	125.1	260	312
	-	-	125.2	350	420

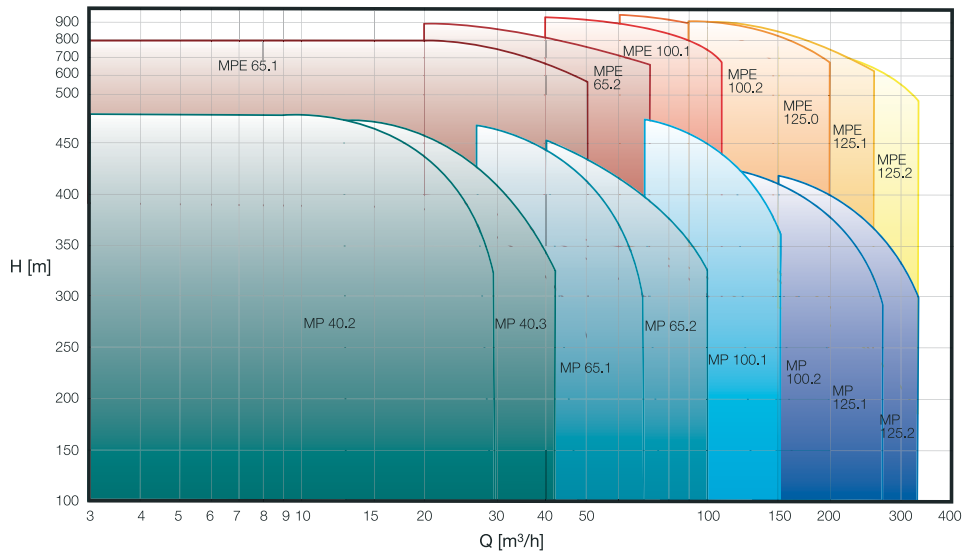
Hydraulic system

The closed, radial impellers are equipped with sealing strips on both sides. Axial thrust compensation by means of relief bore holes ensure low bearing load and long service life. Diffusors are mounted separately in the multi-stage casing and can be exchanged easily. Balanced radial forces, lowest shaft excursion, and very smooth running are further highlights.

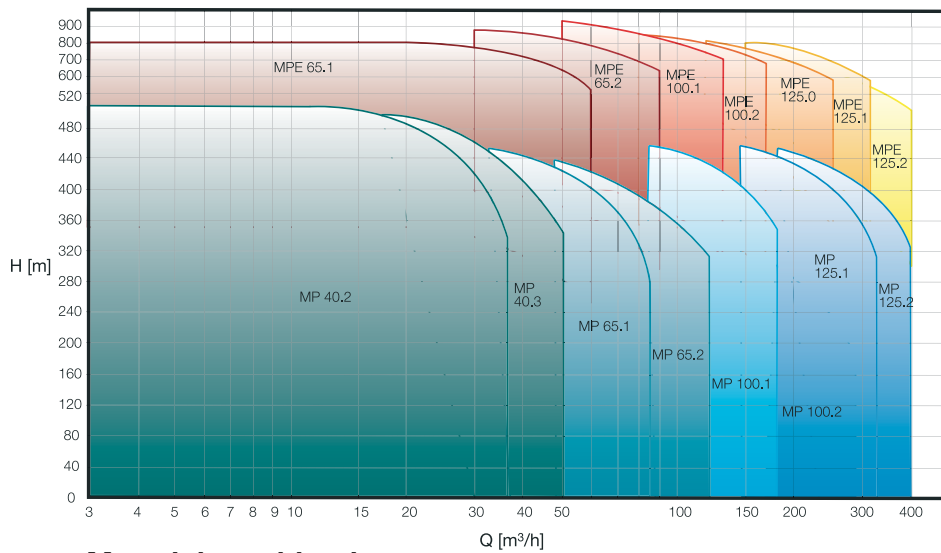
Characteristic curves

ANDRITZ High-Pressure Pumps

Characteristic curve for MP 50Hz



Characteristic curve for MP 60Hz



Material combinations

Designation	EN-GJL 250	1.4408	1.4021	1.4462
Multi-stage casing	■	■		
Discharge casing	■	■		
Suction casing	■	■		
Impeller		■		
Diffusor	■	■		
Shaft			■	■

European standard		US standard	
Number	Name	Grade	UNS
EN-JL1040	EN-GJL 250	Class 40B	/
1.4408	GGX5CrNiMo19-11-2	CF8M	J92900
1.4021	X20Cr13	420	S42000
1.4462	X2CrNiMoN22-5-3	2205	S31803, S32205

Close to our customers



motralec

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX
Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48
Demande de prix / e-mail : service-commercial@motralec.com
www.motralec.com

HPU.mp.02eng.05.09