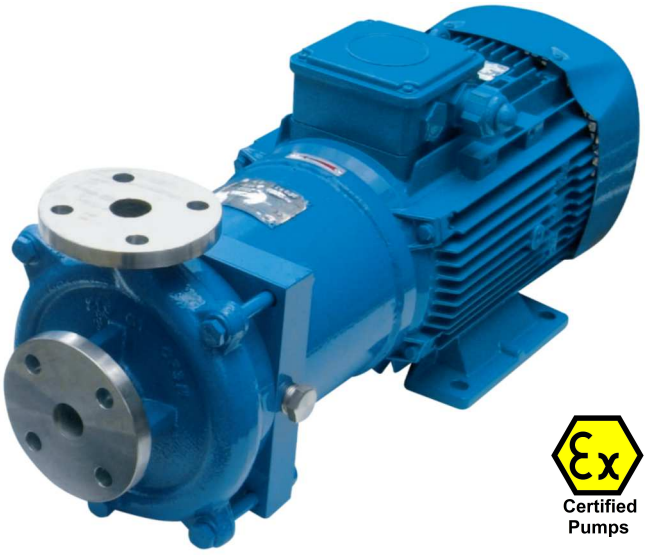
MGX series pumps

The mono- and multicellular centrifugal pumps in the **MGX** series are specially designed for a large range of chemical and fine chemical uses, and particularly for products that are **corrosive et dangerous** to humankind and the environment.

The **MGX** pumps are designed to avoid any leaks, even fugitive ones, of products pumped outdoors. This specific tightness is obtained using magnetic coupling that can be used with either **hot or cold products**.

Thanks to their horizontal monoblock design, the **MGX** pumps **do not take up a lot of space** making their integration into compact Skid types of assemblies easier.

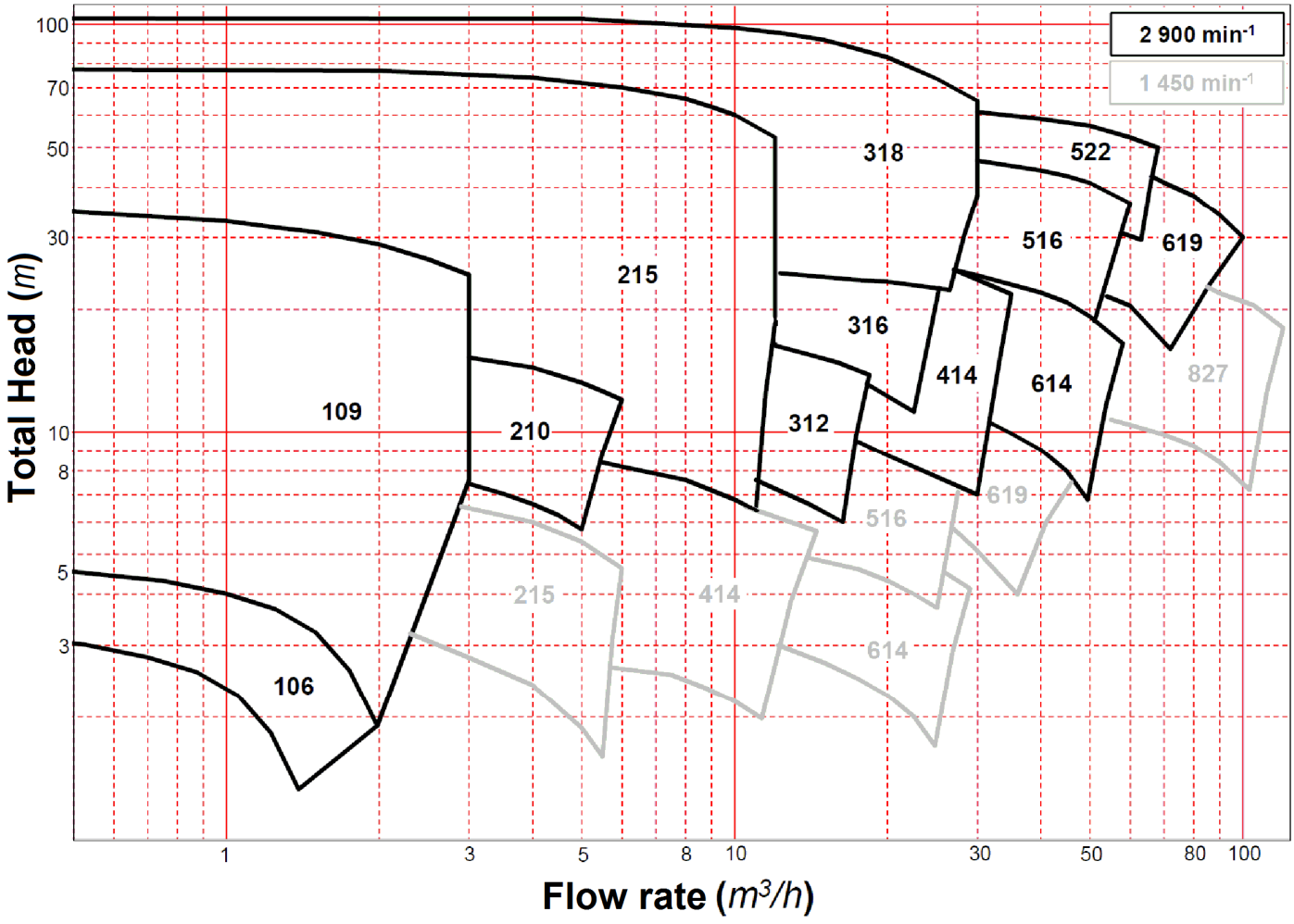


Certified Pumps

LIMITS OF USE

- Flow rate: 100 l/h to 100 m3/h
- Total head: <105 m
- Operating temperature: - 100°C to + 300°C
- Operating pressure: < 10 bar
- Speed: < 3600 min-1
- ATEX certification: Ex II 2 G II B T3/T4

SELECTION CURVES



Please contact us to see the 1450 rpm/min speed selection curves.

BUSINESS ACTIVITIES AND PRINCIPAL USE

Chemical and fine chemicals industries - Pharmaceutical industry - Cosmetic industry - Nuclear industry - Skid manufacturers - Transfer of corrosive liquids/clear solvents - CIP solutions - Tank unloading - Transfer of pollutants (*environmental protection*) - Ultra-filtered, purified de-mineralised water or WFI - Heat transfer fluids...

SPECIFICATIONS

Basic components

Pump body	316L Stainless steel
Cover/diffuser/flange	316L Stainless steel
Impeller	316L Stainless steel
Shaft	329LN Stainless steel
Gasket	Aramid

To better respond to your requirements, our expertise in the metalworking industry is at your service:

Hastelloy, Duplex...

(can be modified according to your needs)

Tightness

Type	Magnetic coupling
Can	Non-magnetic alloy
Mobile mounted on block	Silicon carbide
Magnet-driven	Samarium cobalt
Lubrication	Process fluid
Can gasket	FKM (ex: FEP covered)

Pump inlet and outlet connections

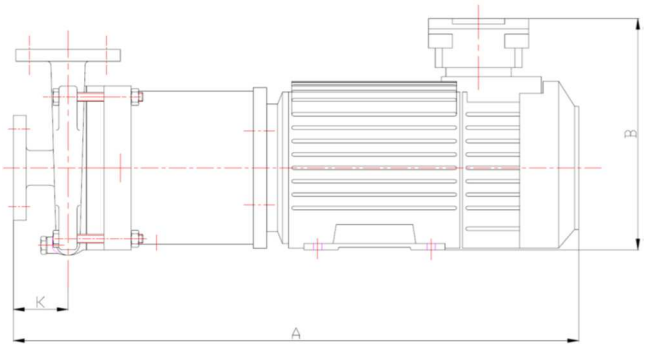
Type	MGX 106	MGX 109	MGX 210	MGX 215	MGX 312	MGX 316	MGX 318	MGX 414	MGX 516	MGX 522	MGX 614	MGX 619	MGX 827
Inlet	1/2" Gaz Mâle	DN20PN16	DN20PN16	DN32PN16	DN32PN16	DN50PN16	DN40PN16	DN40PN16	DN80PN16	DN65PN16	DN65PN16	DN80PN16	DN100PN16
Outlet	3/8" Gaz Mâle	DN15PN16	DN20PN16	DN25PN16	DN32PN16	DN32PN16	DN32PN16	DN40PN16	DN50PN16	DN50PN16	DN65PN16	DN65PN16	DN80PN16

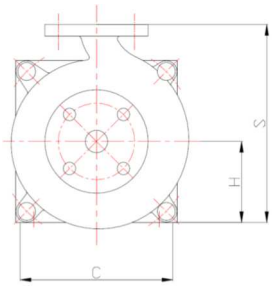
Motor — Three-phase (*other voltage on request*)

Finishing — Primer + epoxy paint RAL # 5017

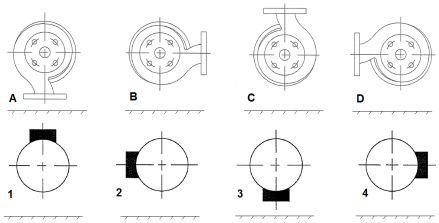
OVERALL DIMENSIONS

Type	Motor Power (kW)	Size Data K (mm)	A (mm)	B (mm)	C (mm)	H (mm)	S (mm)	Weight (kg)
MGX 106	0,09	14	310	113	110	56	101	9
MGX 109	0,37	55	455	193	140	71	151	13
MGX 109/2	0,37	70	470	193	140	71	151	14
MGX 109/3	0,55	92	492	193	140	71	151	16
MGX 210	0,55	44	430	193	155	71	181	16
MGX 215	2,20	75	595	254	170	90	220	54
MGX 215/2	2,20	105	625	254	170	90	220	51
MGX 215/3	3,00	130	675	278	200	100	230	56
MGX 312	1,50	73	610	254	170	90	220	58
MGX 316	5,50	80	780	381	272	132	292	106
MGX 318/2	9,00	123	810	391	272	132	292	109
MGX 318/3	11,00	159	846	391	272	132	292	124
MGX 414	3,00	70	650	278	200	100	245	56
MGX 516	9,00	100	810	381	272	132	312	116
MGX 522	18,50	115	1000	470	350	180	380	201
MGX 614	5,50	81	780	381	272	132	302	118
MGX 619	15,00	80	885	445	318	160	380	226
MGX 827	11,00	125	1000	410	318	160	270	183





You can choose the position of the outlet and inlet when ordering



Dimensions shown are for reference only and can be different according to the type of motor used.

PART NUMBER

MGX	109	/2	X	-	95/90	-	0,37	-	2	A	-	12555
	Size (See above): 106, 109, …, 827	Number of impellers: 1 impeller; /2 2 impellers; /3 3 impellers	Material in contact with the liquid: X Stainless Steel 316L; U Duplex; C Hastelloy C276		Ø of the impellers		Motor installed — Power in kW		2 2 poles (# *2 900 rpm*); 4 4 poles (# *1 450 rpm*)	Protection: A ATEX; I non-ATEX		Serial No.

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