

MX series pumps

The **MX** series mono- and multicellular centrifugal pumps are specially designed for a wide range of uses in the chemical and fine chemicals industries and especially for difficult or corrosive products.

Thanks to their horizontal **mono-block** design, the **MX** series pumps don't take up a lot of space, making their integration into compact Skid types of assemblies easier. The pump and the motor form a monoblock set connected by flanges, with a common shaft.



LIMITS OF USE

- Flow rate: 100 l/h to 100 m³/h
- Total head: <105 m
- Operating temperature: - 40°C to + 150°C
- Operating pressure: < 10 bar
- Speed: < 3600 min⁻¹
- ATEX certification: 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 - Paper-making industry - Nuclear industry - Skid manufacturers - Cement works - Transferring corrosive liquids or solvents - Ultra-filtered, purified demineralised water or WFI - CIP solutions - Tank unloading...

POMPES GROSCLAUDE

Technical sheet no: MX-13-EN

SPECIFICATIONS

Basic components

- Pump body
- Cover/diffuser/flange
- Impeller
- Shaft
- Gasket

316L Stainless steel
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329LN Stainless steel
Aramid

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

Hastelloy, Duplex, Inconel, Monel, Titanium...

(can be modified according to your needs)

Mechanical seal

- Assembly
- Lubrication
- Friction face
- O-ring

Mechanical seal Simple, double back to back or tandem
Process fluid
SiC/C
FPM

We'll help you define the best type of assembly and dynamic sealing adapted to your application. .

Pump inlet and outlet connections

Type	MX 106	MX 109	MX 209	MX 210	MX 212	MX 215	MX 216	MX 312	MX 315
Entrée	1/2" Gaz Mâle	DN20PN16	3/4" Gaz Mâle	DN20PN16	DN25PN16	DN32PN16	DN25PN16	DN32PN16	DN40PN16
Sortie	3/8" Gaz Mâle	DN15PN16	3/4" Gaz Mâle	DN20PN16	DN20PN16	DN25PN16	DN25PN16	DN32PN16	DN32PN16

Type	MX 316	MX 318	MX 414	MX 516	MX 522	MX 614	MX 619	MX 827
Entrée	DN50PN16	DN40PN16	DN40PN16	DN80PN16	DN65PN16	DN65PN16	DN80PN16	DN100PN16
Sortie	DN32PN16	DN32PN16	DN40PN16	DN50PN16	DN50PN16	DN65PN16	DN65PN16	DN80PN16

Motor Three-phase (other voltage on request)

Finishing

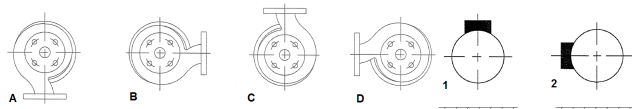
Primer + epoxy paint RAL # 5017



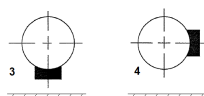
OVERALL DIMENSIONS

Type	Motor Power (kW)	Size Data						Weight (kg)
		K (mm)	A (mm)	B (mm)	C (mm)	H (mm)	S (mm)	
MX 106	0,09	14	260	113	110	56	101	8
MX 109	0,37	55	405	193	140	71	151	12
MX 109/2	0,37	70	420	193	140	71	151	13
MX 109/3	0,55	92	442	193	140	71	151	15
MX 209	0,37	44	400	193	140	71	171	13
MX 210	0,55	44	380	193	155	71	181	15
MX 212	1,50	80	535	254	170	90	200	27
MX 212/2	1,50	90	555	254	170	90	200	45
MX 212/3	2,20	115	580	254	170	90	200	49
MX 215	2,20	75	545	254	170	90	220	53
MX 215/2	2,20	105	575	254	170	90	220	50
MX 215/3	3,00	130	625	278	200	100	230	55
MX 216	2,20	60	540	254	170	90	220	47
MX 312	1,50	73	560	254	170	90	220	57
MX 315	2,20	77	550	254	170	90	235	57
MX 315/2	3,00	87	580	278	200	100	245	66
MX 316	5,50	80	730	381	272	132	292	105
MX 318/2	9,00	123	760	391	272	132	292	108
MX 318/3	11,00	159	796	391	272	132	292	123
MX 414	3,00	70	600	278	200	100	245	55
MX 516	9,00	100	760	381	272	132	312	115
MX 522	18,50	115	950	470	350	180	380	200
MX 614	5,50	81	730	381	272	132	302	117
MX 619	15,00	80	835	445	318	160	380	225

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



Our standard is C1 orientation.



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

PART NUMBER

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

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