

Pompes de la série **ZS_SEMA**


The **ZS_SEMA** side channel centrifugal pumps are self-priming multicellular with magnetic coupling.

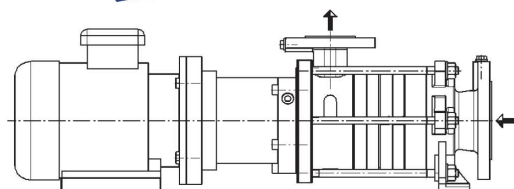
They are used for a very large range of applications, in particular for vacuum extraction, fluids with high steam pressure or raw materials in a storage tank centre.

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**.

This series of pump are available in mono-bloc allowing to have a compact design to facilitated usage or alternatively on base plate more adapted to industrial applications.

LIMITS OF USE

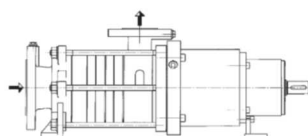
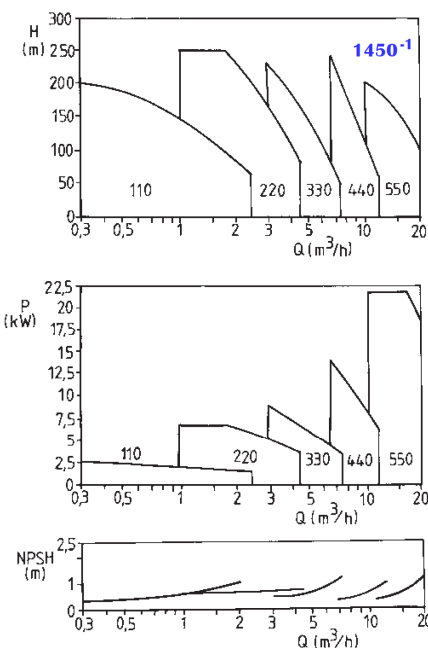
- Flow rate : 0,3 m³/h à 20 m³/h
- Total Head : 5 à 250 mCl
- Operating temperature : -40 à 200°C
- Operating pressure : < 25 bar
- Speed : < 1750 rpm
- ATEX certification :  II 2 G II B T2/T3/T4



SELECTION CURVES

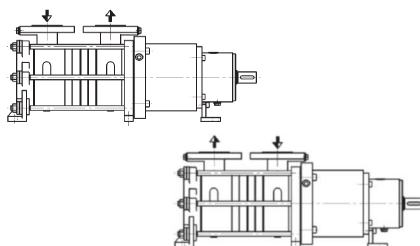
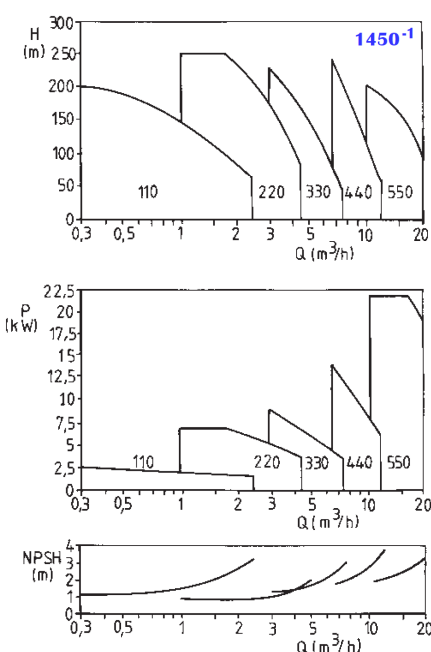
ZS_SEMA-S

Adapted to application requiring very low NPSH



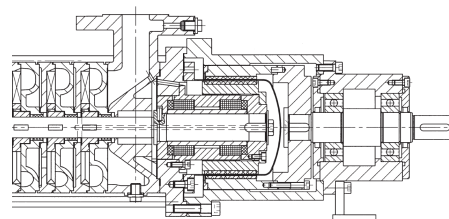
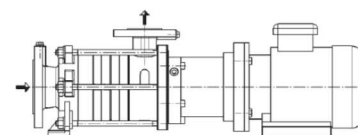
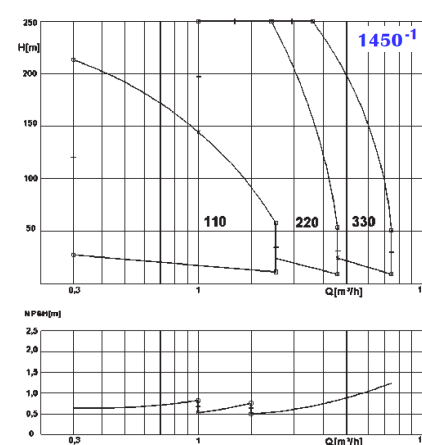
ZS_SEMA-L & ZS_SEMA-Z

Conformity on manufacturing and conception to DIN/EN 734



ZS_SEMA-Block

Compact assembly with mono-bloc assembly



BUSINESS ACTIVITIES AND PRINCIPAL USE

Chemical and fine chemicals industries - Pharmaceutical industry - Cosmetic industry - Paper-making industry - Automotive industry - Metalworking industry - Integration companies - Transferring corrosive liquids or solvents - Tank unloading - General use...

POMPES GROSCLAUDE

Fiche technique n°: ZS_SEMA-13-EN

SPECIFICATIONS

Basic components

Composant	Code matière		
	12	32	62
Corps d'aspiration/refoulement	Fonte FT25	Inox 316L	Fonte GS
Corps de d'étage	Fonte FT25	Duplex - 1.4470	Fonte GS
Corps de canal latéral	Fonte FT25	Duplex - 1.4470	Fonte GS
Couronne-support	Fonte GS	Fonte GS	Fonte GS
Arbre	Inox 420	Inox 316Ti	Inox 420
Roue	Z20CN17.2M	Inox 316Cb	Z20CN17.2M
Roue d'aspiration	Inox 316Cb	Inox 316Cb	Inox 316Cb
Chemise/pallier	Duplex 22-05/SiSiC	Duplex 22-05/SiSiC	Duplex 22-05/SiSiC
Bati	Acier C35/E36	Acier C35/E36	Acier C35/E36
Joints statiques	PTFE	PTFE	PTFE
Chemise d'arbre	SiSiC	SiSiC	SiSiC
Coussinet	Carbone	Carbone	Carbone
Cloche (*)	Inox 316Ti	Inox 316Ti	Inox 316Ti

(*) disponible également en Hastelloy C4

SERO
PumpSystems

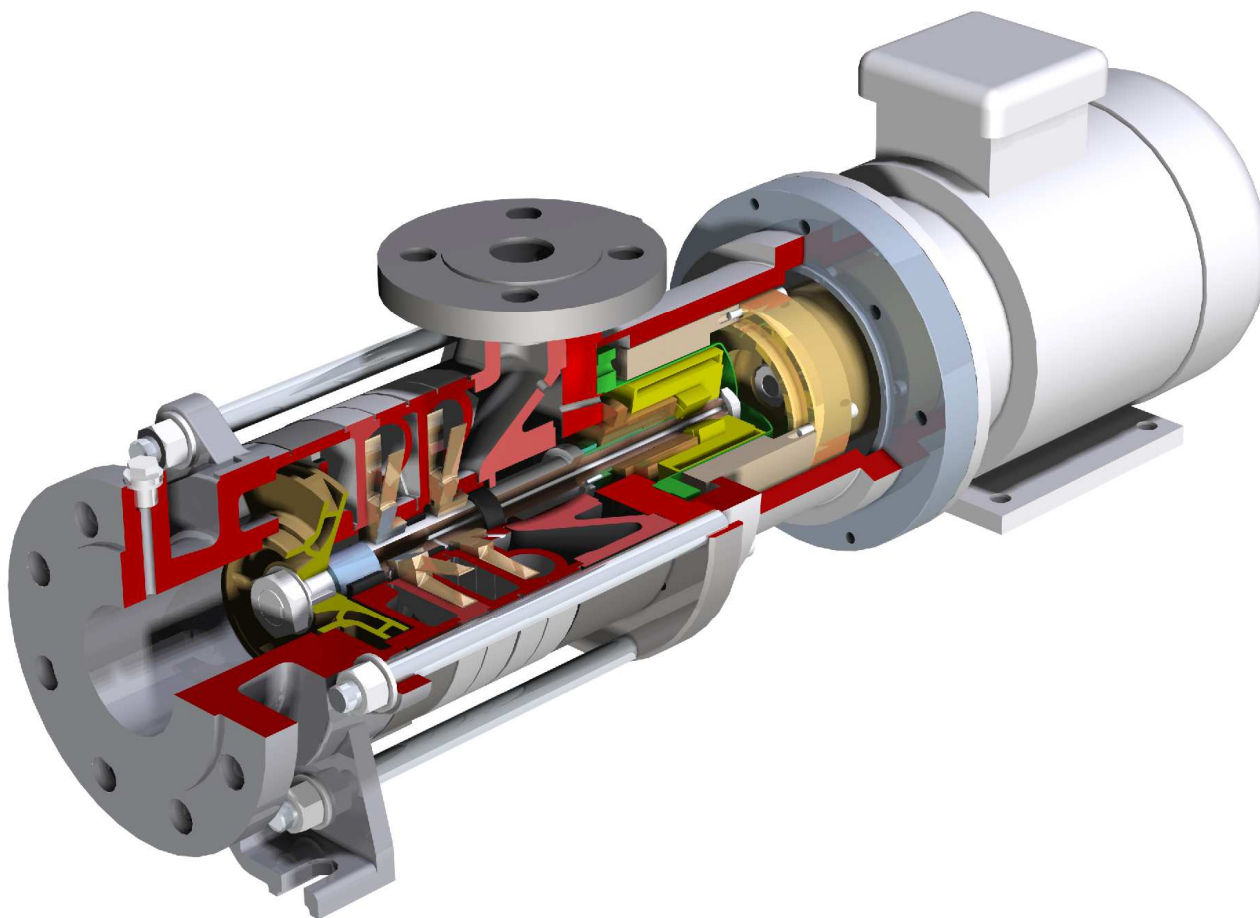
Pump inlet and outlet connections

Série	Aspiration	Refoulement
110	DN40 PN40	DN20 PN40
220	DN65 PN40	DN32 PN40
330	DN65 PN40	DN32 PN40
440	DN80 PN40	DN40 PN40
550	DN100 PN40	DN50 PN40

Magnetic coupling

Possibility to replace **ZS_S** et **ZS_SRZS** without any modification
Operation cost reduce by removal of any consumable parts

CROSS SECTION



PART NUMBER

ZS_SEMA -	S	11	2	S2	F	62	2,2	4	I	27135
	Type	Size	N° of stage	Bushing	Bearing	Material code	Motor			Serial N°
S	Low NPSH with centrifugal suction impeller	11	1	S2 SiC/SiC	O Aceita		Power (kW)	4 4 poles (# 1450 rpm)	Protección A ATEX	
L	According to DIN EN 734 with outlet on coupling side	22	2		F Grasa				I non-ATEX	
Z	According to DIN EN 734 with inlet on coupling side							
Block	Mono-bloc version with S, L & Z available	55	8							

POMPES GROSCLAUDE

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