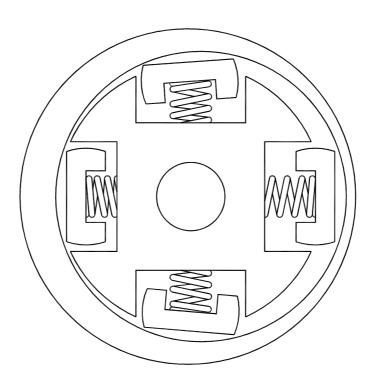


Reversible vane pumps for low pressure









+34 943 851 643





Reversible vane pumps for low pressure Models B and BC



Flange mounting

Applications

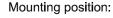
To be directly mounted on reducers, gearboxes, low pressure circulation systems...

Technical data

The pumps can operate within a wide range of viscosities.

When using viscous oils it is important to choose a low rpm drive rotation and to increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.



Vertical with shaft pointing upwards







pointing downwards.

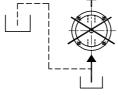
Do NOT mount in a

vertical position with shaft

Use model V for this type







Groups mounted in this position are self-priming.

Groups mounted in this position are NOT self-priming. They need to be placed at a lower level in relation to the tank.

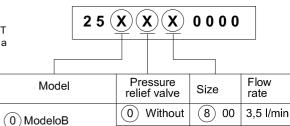
The pumps are self-priming up to 700 mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

Recommended minimum dimensions:

- Size 00 = Suction pipe Ø12x10
- Size 0 = Suction pipe Ø15x13
- Size 1 = Suction pipe Ø22x20
- Size 2 = Suction pipe Ø28x25
- Size 3 = Suction pipe Ø42x36

The same pipe \emptyset as in suction should be used on the pressure side.

Performance in relation to rpm



0 Without

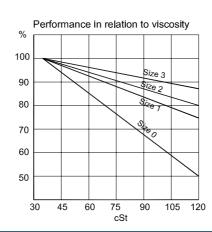
(5) With

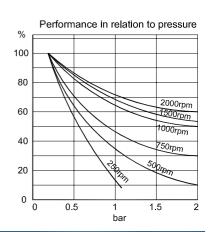
(shaf t with key)

(1) Model BC

(shaft with pin)

		Pre	ssı		bai 30c		uctic —	n he	-	700 20c		
	50											
	45									/		
	40											
	35							$\overline{}$		/		
ute	30						/		_			
litres/minute	25				_	S18	3/					
tres,	20				/	-				_		
	15			/	_		Siz	e2				
	10	/						Size	1			
	5			\leq	=					_	_	
	0		=	_	_	=		_Siz	<u>e_U</u>			
	0 2	250	50	00	75	50	100	00	125	50	15	00
						r	pm					





(0)

(1)

(2) 2

(3)

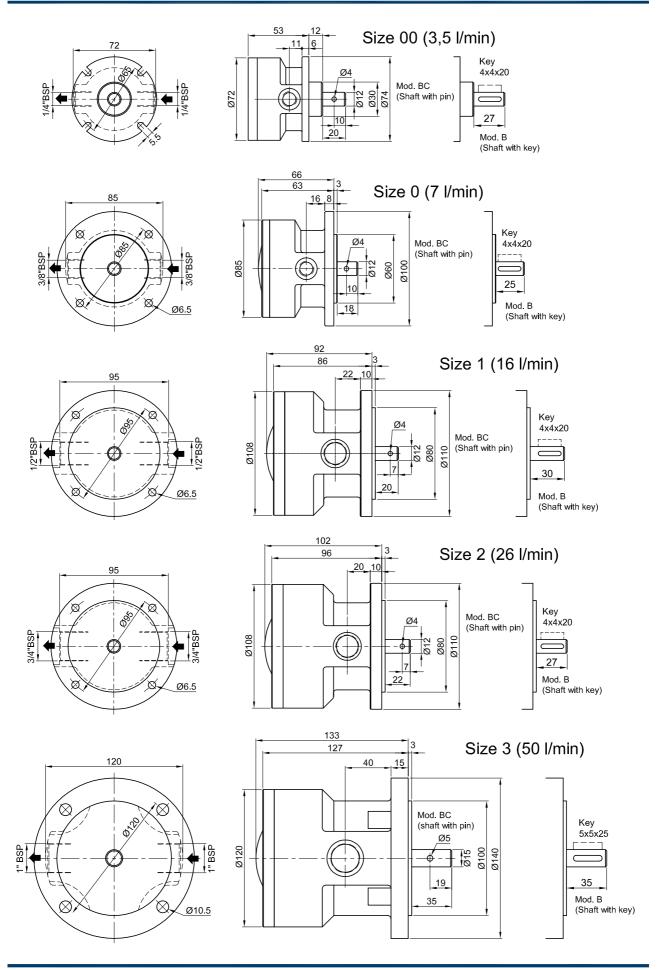
7 l/min

16 l/min

26 l/min

50 I/min





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Reversible vane pumps for low pressure

Model MH

Flange mounting

Applications

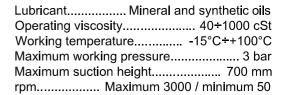
To be directly mounted reducers, on circulation gearboxes. low pressure systems...

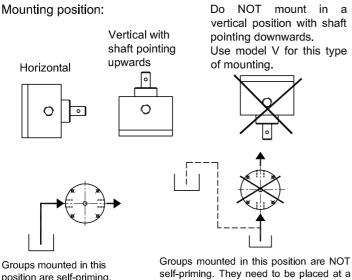
Technical data

The pumps can operate within a wide range of viscosities.

When using viscous oils it is important to choose a low rpm drive rotation and to increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.





lower level in relation to the tank.

The pumps are self-priming upt to 700 mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

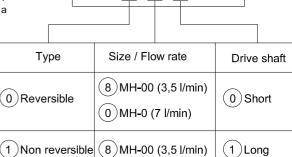
Recommended minimum dimensions:

- Size 00 = Suction height Ø12x10

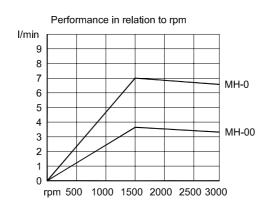
position are self-priming.

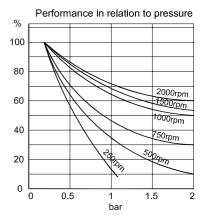
- Size 0 = Suction height Ø15x13

The same pipe \emptyset as in suction should be used on the pressure side.



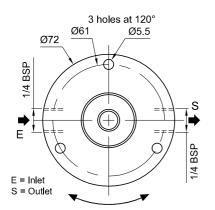
253(X)(X)(X) 000

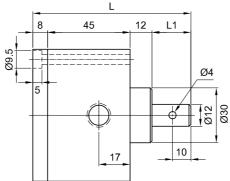




(for motor)

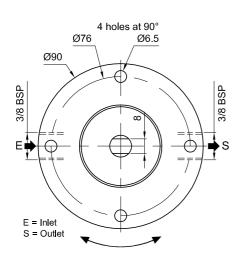


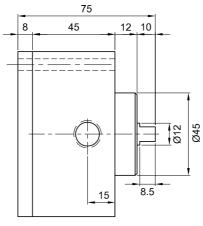




MH-00

Drive shaft	L	L1
Short	86	21
Long	114	39





MH-0

Mounting



Reversible vane pumps for low pressure



Model V

Flange mounting

Applications

To be directly mounted reducers, on gearboxes. circulation low pressure systems...

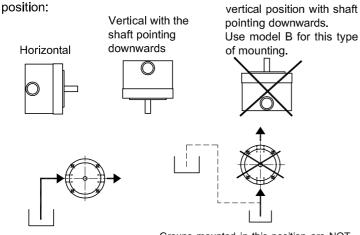
Technical data

The pumps can operate within a wide range of viscosities.

When using viscous oils it is important to choose a low rpm drive rotation and to increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.

Lubricant...... Mineral and synthetic oils Operating viscosity...... 40÷1000 cSt Working temperature..... -15°C÷+100°C Maximum working pressure...... 3 bar Maximum suction height...... 700 mm rpm...... Maximum 3000 / minimum 50



Groups mounted in this position are self-priming.

Groups mounted in this position are NOT self-priming. They need to be placed at a lower level in relation to the tank.

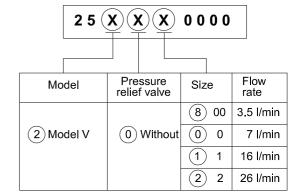
Do NOT mount in a

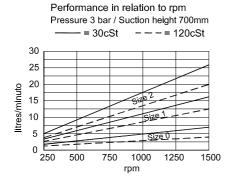
The pumps are self-priming up to 700 mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

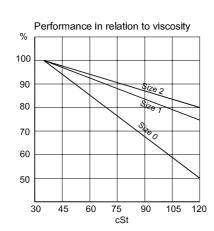
Recommended dimensions:

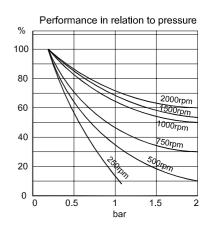
- Size 00 = Suction pipe Ø12x10
- Size 0 = Suction pipe Ø15x13
- Size 1 = Suction pipe Ø22x20
- Size 2 = Suction pipe Ø28x25

The same pipe Ø as in suction should be used on the pressure side.











Size 00 (3,5 l/min)

1/4"BSP

1/4"BSP Ø78

Ø12

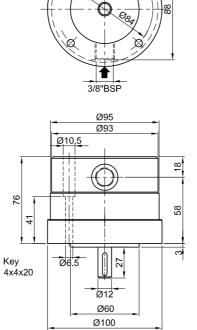
Ø40

Ø81

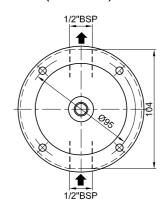
Key 4x4x20

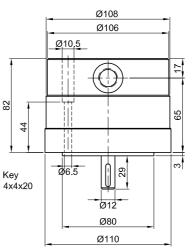
Size 0 (7 l/min)

3/8"BSP



Size 1 (16 l/min)





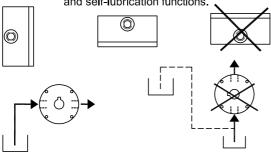




Mounting position:

Horizontal

Mounting in vertical position needs to be carried out in such a way that there is always oil left within the inner chamber of the pump for priming and self-lubrication functions.



Groups mounted in this position are self-priming.

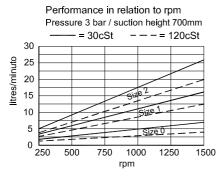
Goups mounted in this position are NOT self-priming. They need to be placed at a lower level in relation to the tank.

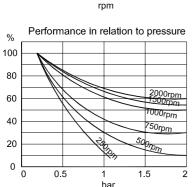
The pumps are self-priming up to 700 mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

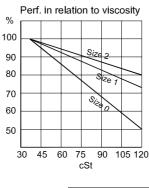
Recommended minimum dimensions:

- Size 0 = Suction height Ø15x13
- Size 1 = Suction height Ø22x20
- Size 2 = Suction height Ø28x25

The same pipe \varnothing as in suction should be used on the pressure side.







Reversible vane pumps for low pressure



Model E

Direct mounting on shaft

Applications

To be directly mounted on reducers, gearboxes, low pressure circulation systems...

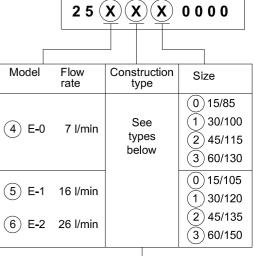
Technical data

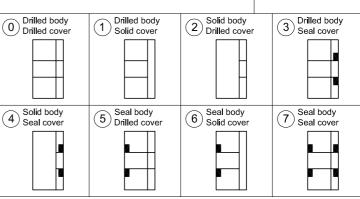
The pumps can operate within a wide range of viscosities.

When using viscous oils it is important to choose a low rpm drive rotation and increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.

Lubricant	. Mineral a	nd synthetic oils
Operating viscosity		40÷1000 cSt
Working temperatu	ıre	-15°C÷+100°C
Maximum working	pressure	3 bar
Maximum suction h	neight	700 mm
rpmMa	ximum 300	0 / Minimum 50



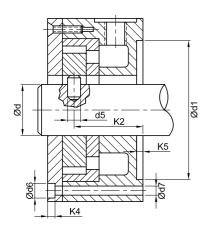


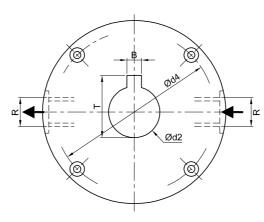


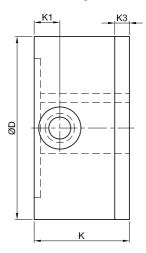
Reversible rotary pumps

Model E

Direct mounting on shaft





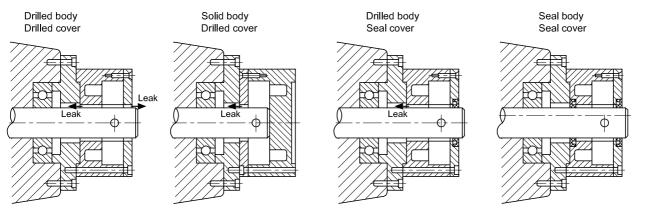


Dimensions

Model	Size	Ød	ØD	Ød1	Ød2	Ød4	Ød5	В	Т	R	Ød6	Ød7	К	K1	K2	K3	K4	K5
F 0	15/85	15	85	60	15.2	73	5	5.2	18		9.5	5.5	52	14	37	8	4	3.5
	30/100	30	100	75	30.2	88	8	8.2	35	3/8" BSP								
E-0	45/115	45	115	90	45.2	103	8	8.2	50	3/8 BSP \$								
	60/130	60	130	105	60.2	118	8	8.2	65									
E-1	15/105	15	105	75	15.2	93	5	5.2	18	1/2" BSP 9.5	9.5	9.5 5.5	59		44	8	4	
	30/120	30	120	90	30.2	108	8	8.2	35					18				3.5
	45/135	45	135	105	45.2	123	8	8.2	50									3.5
	60/150	60	150	120	60.2	138	8	8.2	65									
	15/105	15	105	75	15.2	93	8	8.2	18	- 3/4"BSP	9.5	5.5	70	20 5		8	4	3.5
E-2	30/120	30	120	90	30.2	108	8	8.2	35						52			
 - 2	45/135	45	135	105	45.2	123	8	8.2	50						52	0		
	60/150	60	150	120	60.2	138	8	8.2	65									

Mounting examples

Side oil leaks occur in these type of pumps therefore in external mountings where leaks cannot be collected the following pumps (with cover or solid bodies, cover or seal bodies...) should be chosen according to the type of mounting.







Vane pump motor unit for low pressure



Model MBB

Applications

Reducers, gearboxes, low pressure circulation systems...

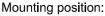
Technical data

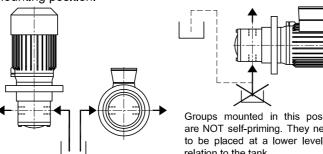
The pumps can operate within a wide range of viscosities. The motor power to operate the pump depends on viscosity and working pressure. When using viscous oils it is important to choose a low rpm drive rotation and increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.

Size	Flow rate	Motor 230/400V 50/60Hz 1500rpm	Inlet thread suction	Outlet thread pressure
MBB-00	3 litres/min	0.18kW	1/4 BSP	1/4 BSP
MBB-0	7 litres/min	0.37kW	3/8 BSP	3/8 BSP
MBB-1	16 litres/min	0.37kW	1/2 BSP	1/2 BSP
MBB-2	26 litres/min	0.75kW	3/4 BSP	3/4 BSP

The greater the viscosity the greater the power consumption





Groups mounted in this positin are NOT self-priming. They need to be placed at a lower level in relation to the tank.

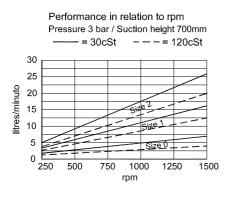
Groups mounted in this position are self-priming

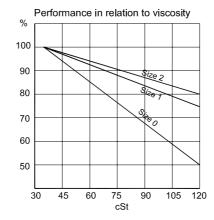
The pumps are self-priming up to 700 mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

Recommended minimum dimensions:

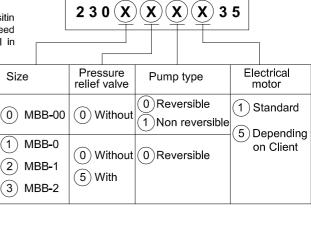
- Size 00 = Suction height Ø12x10
- Size 0 = Suction height Ø15x13
- Size 1 = Suction height Ø22x20
- Size 2 = Suction height Ø28x25

The same pipe \emptyset as in suction should be used on the pressure side.

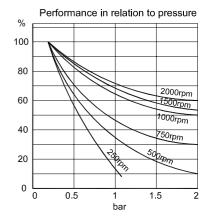




Size



Lubricant...... Mineral and synthetic oils Operating viscosity...... 40÷1000 cSt Working temperature.....-15°C÷+100°C Maximum working pressure...... 3 bar Maximum suction height...... 700 mm rpm...... Maximum 3000 / minimum 50



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SISTEMAS DE ENGRASE

Vane pump motor

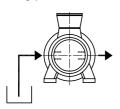


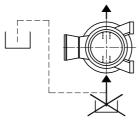


Size	Flow rate	Motor 230/400V 50/60Hz 1500rpm	Inlet thread suction	Outlet thread pressure
MPB-00	3 litres/min	0.18kW	1/4 BSP	1/4 BSP
MPB-0	7 litres/min	0.37kW	3/8 BSP	3/8 BSP
MPB-1	16 litres/min	0.37kW	1/2 BSP	1/2 BSP
MPB-2	26 litres/min	0.75kW	3/4 BSP	3/4 BSP
MPB-3	50 litres/min	1.5kW	3/4 BSP	3/4 BSP

The greater the viscosity the greater the power consumption

Mounting position:





Groups mounted in this position are self-priming

Groups mounted in this position are NOT self-priming. They need to be placed at a lower level in relation to the tank.

Pumps are self-priming up to 700mm high with free outlet. Therefore it is necessary to design correctly the suction pipe.

--=120cSt

Recommended minimum dimensions:

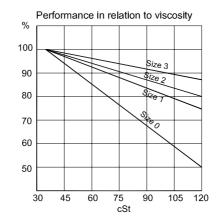
- Size 00 = Suction height Ø12x10
- Size 0 = Suction height Ø15x13
- Size 1 = Suction height Ø22x20
- Size 2 = Suction height Ø28x25
- Size 3 = Suction height Ø42x36

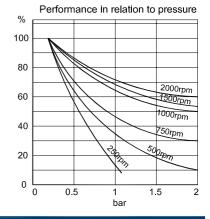
The same pipe Ø as in suction should be used on the pressure side.

= 30cSt

Performance in relation to rpm Pressure 3 bar / suction height 700mm

50 45 40 35 litres/minuto 30 25 20 15 10 5





unit for low pressure

Model MPB

Applications

Reducers, gearboxes, low pressure circulation systems...

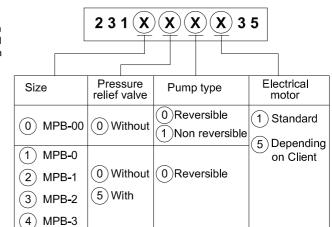
Technical data

The pumps can operate within a wide range of viscosities.

The motor power to operate the pump depends on viscosity and working pressure. When using viscous oils it is important to choose a low rpm drive rotation and increase the pump size.

They are reversible, they include a reverse system without valves and they continue providing flow rates when the drive shaft changes the rotation direction without varying the suction and outlet pipes.

Lubricant	Mineral and synthetic oils
Operating viscosity	40÷1000 cSt
Working temperature	15°C÷+100°C
Maximum working pro	essure 3 bar
Maximum suction hei	ight 700 mm
rpm Max	kimum 3000 / minimum 50



750

1000

1250

1500



