

MPM

PISTONE MAGNETICO TIPO MPM

Descrizione

Il pistone magnetico MPM è stato studiato per cilindri pneumatici a doppio effetto dove esiste la necessità di controllare la corsa del pistone/stelo tramite la presenza di un anello magnetico all'interno del pistone stesso. Il pistone magnetico MPM, rispetto ai tradizionali pistoni monoblocco in NBR, ha il vantaggio di mantenere il pistone perfettamente allineato alla sede grazie alla presenza dell'anello guida. Inoltre, le due tenute contrapposte in poliuretano garantiscono la buona scorrevolezza del pistone e mantengono il cilindro internamente pulito, anche in presenza di aria lubrificata.

Il pistone MPM è composto da:

- 2 anelli di tenuta in poliuretano contrapposti fra loro
- 2 anime in alluminio per il corpo centrale del pistone
- 1 elemento magnetico in plastoferrite
- 1 guida per mantenere allineato il pistone
- 1 o-ring in NBR.

I suddetti articoli possono essere forniti assemblati oppure singolarmente.

Limiti d'impiego

Pressione: ‹ 20 bar
Velocità: ‹ 1 m/s
Temperatura: da - 40° C a + 90° C
Fluidi: aria lubrificata e non, grasso, ecc. (v. tabella 3 a p. 14)

Materiale

Tenute pistone in TPU polietere 85 Shore A e 90 Shore A;
Alluminio ANTICORODAL 6082 per corpo centrale pistone; magnete ANISOTROPICO (plastoferrite orientata); resina acetalica additivata PTFE per elemento guida; NBR a 70 Shore A per o-ring interno.

Montaggio

Il montaggio è molto semplice poiché il pistone magnetico è fornito già assemblato nelle sue componenti. Eliminare tutti gli spigoli vivi e/o bave di lavorazione dello stelo per evitare di danneggiare l'o-ring interno.

MAGNETIC PISTON TYPE MPM

Description

The MPM magnetic piston, has been specifically designed for double effect pneumatic cylinders, where it is necessary to control the piston/rod stroke, by a magnetic rings, inside the piston.
The MPM magnetic piston, compared with conventional mono-bloc pistons in NBR, has another relevant advantage, thanks to the piston wear ring, which maintains the piston perfectly aligned with the bore. Moreover, the two opposed polyurethane piston seals, ensure a good sliding effect on the piston and maintain the system clean even in the presence of lubricated air.

The MPM magnetic piston, is composed by the following elements:

- *2 Polyurethane seals, opposing each other*
- *2 Aluminium parts, for central elements of the piston*
- *1 magnetic element in Plastoferrite*
- *1 wear ring to maintain the piston axially aligned*
- *1 NBR O-ring.*

The above mentioned items could be supply assembled or each single part.

Technical data

Pressure: ‹ *20 bar*
Speed: ‹ *1 m/s*
Temperature: from -40° C up to +90° C
Fluids: Air (lubricated or not), grease, etc. (see table 3, page 14)

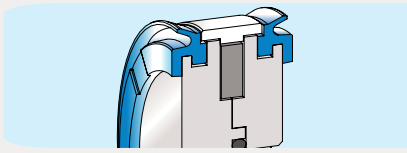
Material

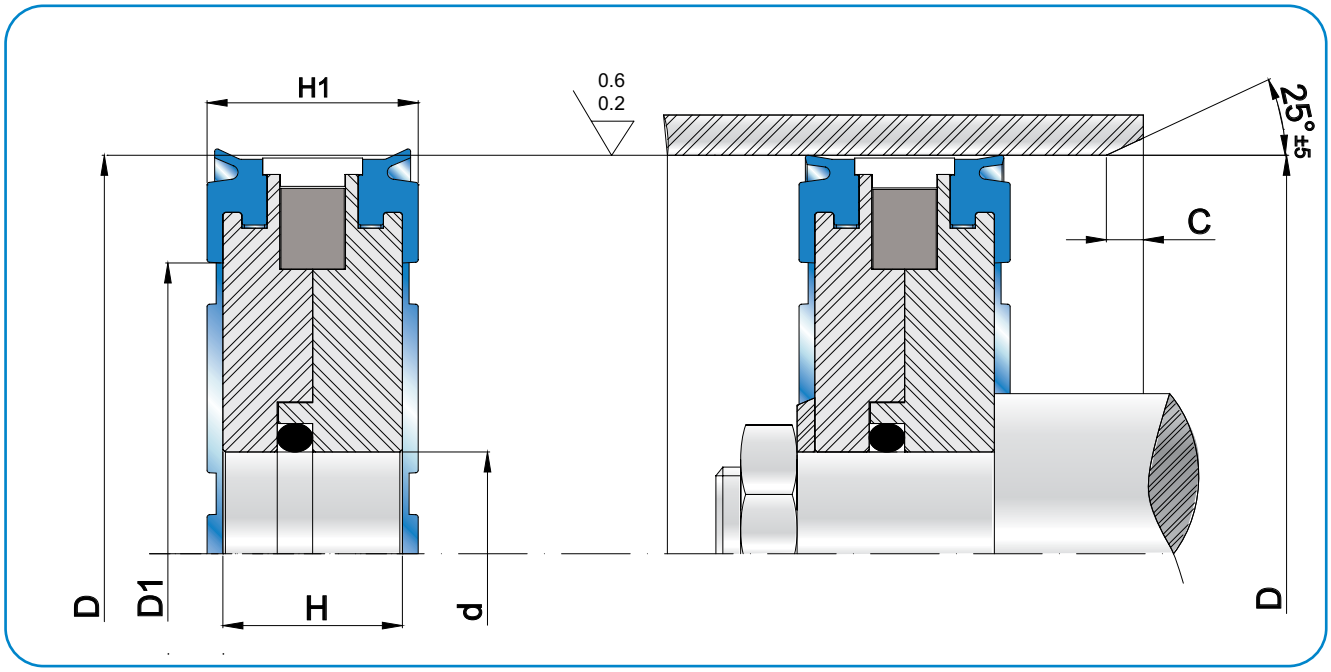
Piston seals available in TPU Polyether 85 Shore A and 90 Shore A; Aluminum ANTICORODAL 6082 for central elements; ANISOTROPIC Magnetic Ring (oriented plastoferrite); Acetal Resin (POM) PTFE reinforced for wear ring; NBR 70 Shore A for o-ring.

Assembling

The installation is very easy because the Kit is available already preassembled. It is important to remove flashes or cutting edges on the rod to avoid damages on the O-ring.

MPM





D_{H11}	d_{f9}	H	Max H1	Max D1	ART / *ITEM*				*85sh*	*90sh*
32,0	8,0	13,0	16,0	22,0	MPM	0320	0080	130	AX	BX
40,0	8,0	13,0	16,0	26,0	MPM	0400	0080	130	AX	BX
40,0	10,0	13,0	16,0	26,0	MPM	0400	0100	130	AX	BX
50,0	10,0	13,0	16,0	35,0	MPM	0500	0100	130	AX	BX
50,0	16,0	13,0	16,0	35,0	MPM	0500	0160	130	AX	BX
60,0	12,0	14,0	17,0	43,0	MPM	0600	0120	140	AX	BX
63,0	12,0	14,0	17,0	46,0	MPM	0630	0120	140	AX	BX
63,0	14,0	14,0	17,0	46,0	MPM	0630	0140	140	AX	BX
63,0	16,0	14,0	17,0	46,0	MPM	0630	0160	140	AX	BX
70,0	12,0	14,0	17,0	54,0	MPM	0700	0120	140	AX	BX
75,0	12,0	14,0	17,0	59,0	MPM	0750	0120	140	AX	BX
80,0	16,0	14,0	17,0	64,0	MPM	0800	0160	140	AX	BX
800,	18,0	14,0	17,0	64,0	MPM	0800	0180	140	AX	BX
80,0	20,0	14,0	17,0	64,0	MPM	0800	0200	140	AX	BX
90,0	12,0	15,0	18,0	74,0	MPM	0900	0120	150	AX	BX
90,0	16,0	15,0	18,0	74,0	MPM	0900	0160	150	AX	BX
100,0	16,0	16,0	21,0	83,0	MPM	1000	0160	160	AX	BX
100,0	18,0	16,0	21,0	83,0	MPM	1000	0180	160	AX	BX
100,0	20,0	16,0	21,0	83,0	MPM	1000	0200	160	AX	BX

Fig.50:
1) tenute Pistone in Poliuretano
2) anime Alluminio
3) anello magnetico Plastoferrite
4) guida Pistone
5) O-Ring

Pic.50:
1) polyurethane piston seals
2) aluminum elements
3) magnetic Plastoferrite Ring
4) wear Ring
5) O-Ring

