



Descrizione prodotto

Tenuta meccanica singola, bilanciata, non dipendente dal senso di rotazione, a soffietto metallico. Prevista in diverse soluzioni trova largo impiego in Applicazioni con fluidi contenenti medie particelle solide o con fluidi ad alta viscosità. Essendo il soffietto metallico l'unico elemento elastico non presenta problemi di impaccamento. In soluzioni speciali può essere prevista per esercizi in alta temperatura.

Prodotta a norme UNI EN 12756 (ex DIN 24960) è disponibile con parti metalliche in Hastelloy, Inconel o AM350.

Description

Single mechanical seal, balanced, independent of the direction of rotation, with metal bellows. Available in different solutions, it is widely used in applications with fluids containing solid medium particles or with high viscosity fluids. The seal presents no blocking problems, as the metal bellows is the only elastic element. In special solutions it can be used at high temperature operating.

It is manufactured in accordance to UNI EN 12756 (ex DIN 24960), and it is available with metal parts in Hastelloy,

Materiale facce di contatto standard / Face materials

Carburo di silicio / Silicon carbide
 Carburo di tungsteno / Tungsten carbide
 Grafite antimonio / Carbon graphite antimony
 Grafite resina / Carbon graphite resin

Materiale parti elastometriche / Elastomers

FKM / Viton
 EPDM / Ethylene propylene
 NBR / Nitrile
 SILICONE / Silicon
 FFKM / Kalrez
 FFKM / Chemraz
 FEP
 ANELLO MLP PTFE / Memory Lip PTFE
 PTFE / Wrapped PTFE

Limiti d'impiego / Operating limits

d = 20...100 mm (0.78" to 4")

P1 = 25 bar (up to 363 PSI)

t = - 40...+220 °C (- 40 °F to + 428 °F)

v = 20 m / s (up to 66 ft / s)

Movimento assiale / Axial movement + / - 0.5 mm

# Comp.	# Comp.
1 Metal Bellow	6 O-Ring
2 Rotary Ring	7 Pin
3 Grub Screw	
4 O-Ring	
5 Stat. Ring	

Applicazioni / Recommended applications

Industria di processo / Process industry

Industria chimica / Chemical industry

Industria petrolifera / Refinery industry

Industria energetica / Power plant industry

Pompe centrifughe / Centrifugal pumps

Pompe a viti / Screw pumps

Elevato contenuto di solidi e abrasivi / High abrasive and solids content

Elevata viscosità / High viscosity

Temperature elevate / Hot applications

Macchine rotanti speciali / Special rotating equipment

La configurazione del disegno è MTM100+S9

The drawing configuration is MTM100+S9

Dimensioni / Dimensions (mm)

d h6	D2 H11	D3 H8	D4	L6	L16	L23	L24	L25
20	29	35	33,3	7,0	9,0	2,0	30,5	5
22	31	37	36,5	7,0	9,0	2,0	60,5	5
24	33	39	39	11,5	9,0	2,0	28,5	5
25	34	40	39	11,5	9,0	2,0	28,5	5
28	37	43	42	11,5	9,0	2,0	31,0	5
30	39	45	44	11,5	9,0	2,0	31,0	5
32	42	48	46	11,5	9,0	2,0	31,0	5
33	42	48	47	11,5	9,0	2,0	31,0	5
35	44	50	49,2	11,5	9,0	2,0	31,0	5
38	49	56	52,4	14,0	9,0	2,0	31,0	6
40	51	58	55,6	14,0	9,0	2,0	31,0	6
43	54	61	58,7	14,0	9,0	2,0	31,0	6
45	56	63	58,7	14,0	9,0	2,0	31,0	6
48	59	66	61,9	14,0	9,0	2,0	31,0	6
50	62	70	65,1	15,0	9,0	2,5	32,5	6
53	65	73	68,3	15,0	9,0	2,5	32,5	6
55	67	75	69,7	15,0	9,0	2,5	32,5	6
58	70	78	74,6	15,0	9,0	2,5	37,5	6
60	72	80	74,6	15,0	9,0	2,5	37,5	6
65	77	85	84,1	15,0	9,0	2,5	37,5	6
70	83	92	87,3	18,0	9,0	2,5	42,0	7
75	88	97	95,3	18,0	9,0	2,5	42,0	7
80	95	105	98,4	18,2	9,0	3,0	41,8	7
85	100	110	104,8	18,2	9,0	3,0	41,8	7
90	105	115	108	18,2	9,0	3,0	46,8	7
95	110	120	114,3	17,2	9,0	3,0	47,8	7
100	115	125	120,7	17,2	9,0	3,0	47,8	7

Le dimensioni potrebbero essere soggette a modifiche o varianti da parte di Microtem.
 Dimensions could be subject to change from Microtem.

