

MISCELLANEOUS COUPLINGS

HPA SERIES HIGH PRESSURE, BALL SEAL, SCREWED COUPLINGS

INTRODUCTION

Holmbury High Pressure Ball Seal Screwed Couplings can be connected and disconnected even with a low residual hydraulic pressure in the line. The screw connection mechanism eliminates Brinelling (indentation of the locking balls into the retaining groove) and thus makes the couplings suitable for high pressures and pressure pulse applications. Two sizes are offered, 1/4" and 3/8" NPT.

FEATURES

- ★ Compatible with all high pressure pump and cylinder manufacturers (Enerpac, SPX, Larzep and Hi-force)
- ★ Connection and disconnection can be performed even with low residual hydraulic pressure in the line.
- ★ Screw thread retaining mechanism eliminates Brinelling

APPLICATIONS

General industrial equipment

MATERIALS

Zinc plated carbon steel body material with nitrile seals and PTFE backing ring. Other seal materials available on request.

TECHNICAL DETAILS

Maximum working pressure for both sizes of couplings is 700 bar. Working temperature range with nitrile seals is -20°C to +100°C

ORDER CODES

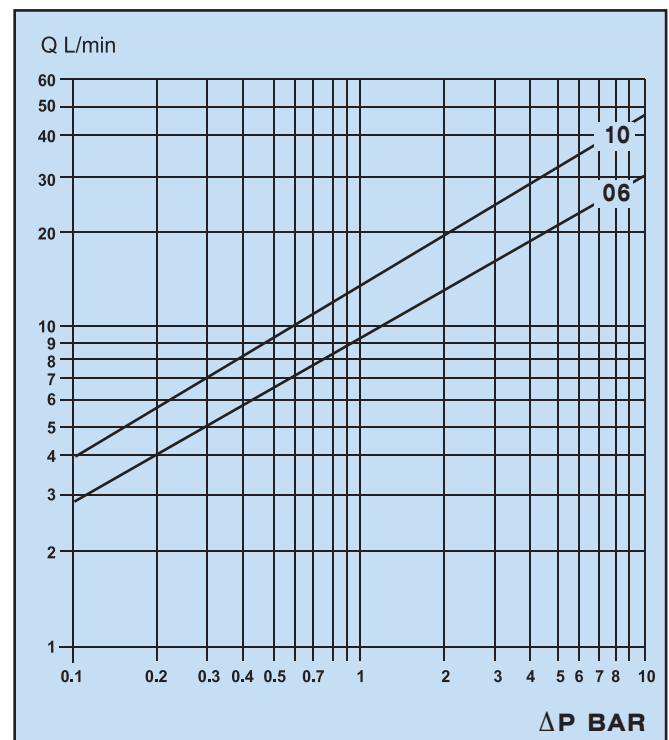
HPA	06 - F - 04	N	M	
HPA = HPA Series				
Coupling Size				
M = Male coupling				Any other information
F = Female coupling				Blank = Nitrile Seals
Thread size (dash system)				F = Female thread
04 = 1/4"				M = Male thread
06 = 3/8"				If blank then female thread is supplied.
Thread Form				
N = NPT F				

Example: HPA06-F-04NM

HPA Series, size 06 female coupling, 1/4" NPT F male thread, nitrile seals, no special requirements.



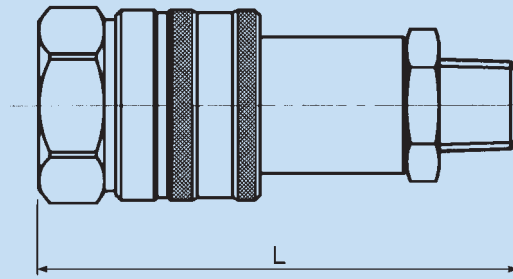
PRESSURE DROP CHARACTERISTICS



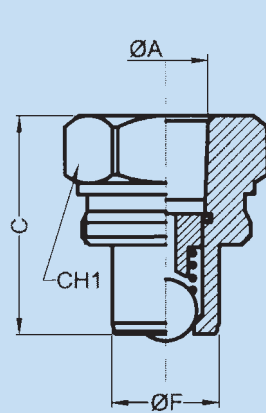
DUST CAPS - SEE PAGE 76



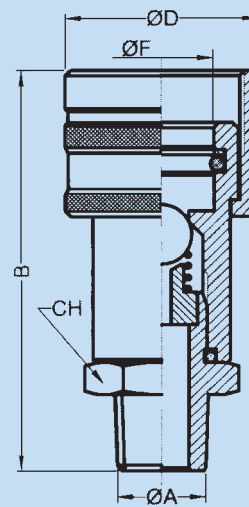
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Female and Male Coupled



Male



Female

Male

Coupling	ØA	C	CH1	L	ØF
HPA 06 M	1/4" NPT	39	27	81	15.8
HPA 10 M	3/8" NPT	39	32	87	18.9

Female

Coupling	ØA	ØD	B	CH	L	ØF
HPA 06 M	1/4" NPT	30	60	19	81	16
HPA 10 M	3/8" NPT	35	73.5	24	87	19