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Nom. Diameter 20 = 314 mm²
76 KB series



Technical Description

The 76 KB series is a double shut-off hydraulic coupling used for liquid mediums. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting materials.

Advantages

This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Applications

Liquids, paper machines, refrigerating circuit, rail vehicles.

Working Pressure

PB =100 bar (brass)
 PB =100 bar (stainless steel), maximum static working pressure until 50°C with safety factor of 4 to 1.

Working Temperature*

-20°C up to +100°C (Buna N)
 -40°C up to +120/150°C (EPDM)
 -15°C up to +200°C (Viton*)
 0°C bis +316°C (Kalrez*)
 depending on the medium.

* At a temperature below -20°C and above +150°C special seals are available on request.



Material Coupling

Back Body
 Sleeve
 Valve
 Spring and Locking Ring
 Locking Balls
 Seals
 Spring Plate

Standard Version

Brass
 Brass
 Brass
 AISI 316 Ti
 AISI 420
 Buna N
 Brass

Additional Versions

AISI 303

AISI 303
 AISI 303
 AISI 303
 AISI 316 Ti
 AISI 316
 Viton®
 AISI 301

AISI 316 Ti

AISI 316 Ti
 AISI 316 Ti
 AISI 316 Ti
 AISI 316 Ti
 AISI 316
 Viton®
 AISI 316 Ti

Plug

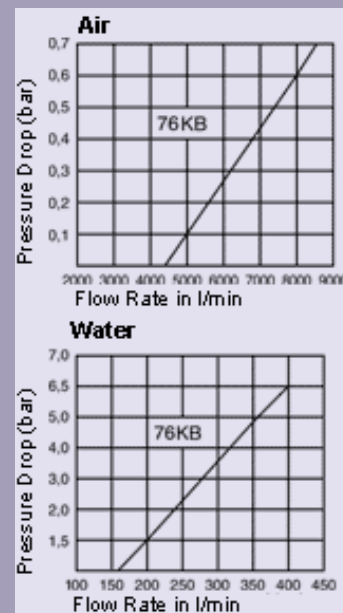
Plug Profile
 Valve
 Spring
 Spring Plate
 Seal

Brass
 Brass
 AISI 316 Ti
 Brass
 Buna N

AISI 303
 AISI 303
 AISI 316 Ti
 AISI 301
 Viton®

AISI 316 Ti
 AISI 316 Ti
 AISI 316 Ti
 AISI 316 Ti
 Viton®

Chart



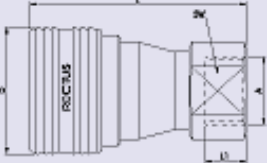
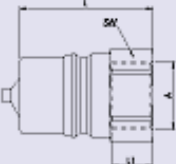
PDF-Documents

[Safety Instructions](#)

[Installation and maintenance instructions](#)

[Operating instructions](#)

Couplings	Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
	G 1	41	105,5	62	24					Standard	76SBIW33MPX

 Female Thread											1.4305	76KBIW33RVX
											1.4571	76KBIW33EVX
Valved Plugs		Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
 Female Thread	G 1	41	65	24							Standard	76SBIW33MPX
											1.4305	76SBIW33RVX
											1.4571	76SBIW33EVX