Nominal Diameter

6/9/12

Parker Series

NSP



The NSP are dry-break couplings with flat face valves. The compact design make them suitable for reduced spaces. Coupling system with single-hand operation.

No spillage during connection/disconnection. Push to connect function. Low pressure drop. Specific design for cooling applications. Can be used either with water and heat transfer oils. Excellent resistance to vibrations and mechanical stresses.

Working Temperature*
-20°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -20°C and over +200°C and depending on the medium, other seal variants (NBR, EPDM, FFKM) are available.

KL Dry-break

Working Pressure**

60 bar
** maximum static working pressure with safety factor 4 to 1.

Material

Coupling: Brass/Stainless Steel
Plug: Brass/Stainless Steel
Seals: FKM

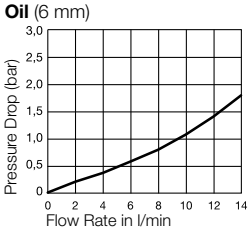
Technical Description

Dead space volume DN 6: 0,01 ml
Dead space volume DN 9: 0,04 ml
Dead space volume DN 12: 0,1 ml

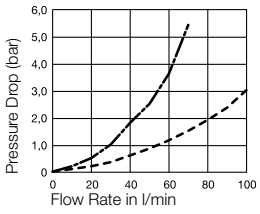
Connecting Force 0 bar DN 6: 110 N
Connecting Force 0 bar DN 9: 95 N
Connecting Force 0 bar DN 12: 195 N

Flow diagrams

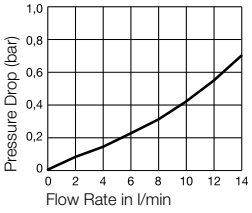
Oil (6 mm)



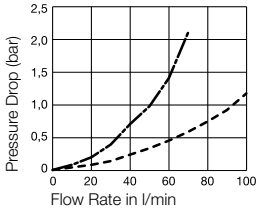
Oil (9 and 12 mm)

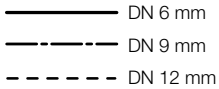


Water (6 mm)



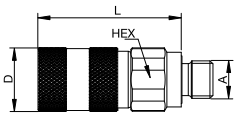
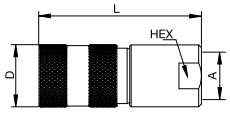
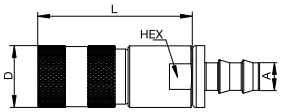
Water (9 and 12 mm)



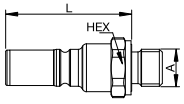


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Couplings – flat sealing — Series NSP

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	6	G 1/4	21	51,7	22	NSP-251-4MBE [1]
	6	M 16 x 1,5	20	44,8	22	NSP-251-16MCL [2]
	9	G 3/8	27	63	30	NSP-371-6MBO
	12	G 1/2	35	90,4	42	NSP-501-8MBO
 Female Thread	6	G 1/4	20	57,9	22	NSP-251-4FB
	9	G 3/8	27	72	30	NSP-371-6FB
	12	G 1/2	35	99,4	42	NSP-501-8FB
 Hose Barb	6	10 mm	20	55,2	22	NSP-251-6PL

Plugs – flat sealing — Series NSI

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	6	G 1/4	19	44		NSI-252-4MBE [1]
	9	G 3/8	24	60,2		NSI-372-6MBO
	12	G 1/2	32	79,1		NSI-502-8MBO

[1] End connection according to ISO1179-2 ED seal
[2] End connection according to DIN 2353 24°cone

⚠ Please consider our security advices on the pages 12/13 ⚠