



Technical Description

The 608/612 series (French series) has been specially developed for cooling in the field of plastic injection machines / moulds. Using vertical plug inserts, the cooling connection can be installed directly in the mould / machine, so the external contour has no pre-druding extension components. This allows easy and safe handling during the work process and prevents damage to the coupling and the mould.

This system is supplied as a "straight-through coupling" with no valves. Coding of the in and outlets can be represented by simple fixing of the coloured clips / rings onto the coupling and plug.

Advantages

The use of the locking balls means that an optimum grip of the plug connection is guaranteed, even with forces that are applied laterally. The simple unlocking mechanism, which is optimised by knurling at the end of the sleeve, can be operated by pulling back once on the sleeve.

Working Temperature*

-15°C up to +200°C (FKM) depending on the medium.

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.



Working Pressure**

20 bar

** maximum static working pressure with design factor 4 to 1.

Material

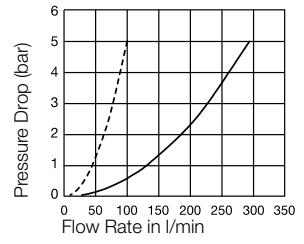
Coupling: Brass nickel plated

Plug: Brass nickel plated

Seals: FKM

Flow diagrams

Water

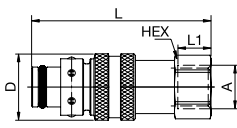
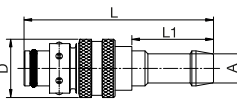
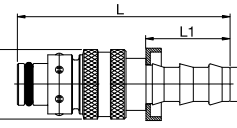
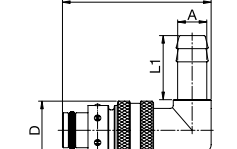
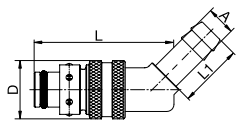
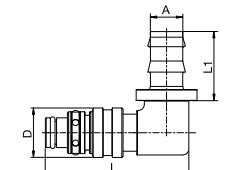
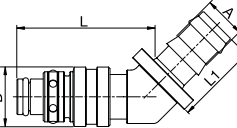


----- Series 608
 ————— Series 612

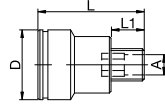
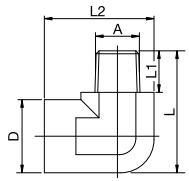
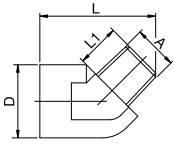
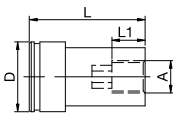


Couplings – without valve

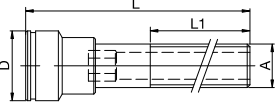
Series 608/612

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	8	608	G 1/4	17	54	10	20	608KFIW13MVN
 <p>Hose Barb</p>	8	608	8 mm		65	28	20	608KFTF08MVN
	8	608	10 mm		65	28	20	608KFTF10MVN
	8	608	12 mm		65	28	20	608KFTF12MVN
	12	612	13 mm		77	33	28	612KFTF13MVN
	12	612	16 mm		77	33	28	612KFTF16MVN
 <p>Push-Lok</p>	8	608	10 mm		61	24	20	608KFTP10MVN
	8	608	13 mm		66,5	28	20	608KFTP13MVN
	12	612	13 mm		77	28	28	612KFTP13MVN
	12	612	16 mm		83	38	28	612KFTP16MVN
 <p>Hose Barb 90°</p>	8	608	10 mm		51	20	20	608KFTR10MVN
	8	608	12 mm		51	20	20	608KFTR12MVN
	12	612	13 mm		59	25	28	612KFTR13MVN
	12	612	16 mm		62	25	28	612KFTR16MVN
 <p>Hose Barb 45°</p>	8	608	10 mm		51	20	20	608KFTH10MVN
	8	608	12 mm		51	20	20	608KFTH12MVN
	12	612	13 mm		55	25	28	612KFTH13MVN
	12	612	16 mm		55	25	28	612KFTH16MVN
 <p>Push-Lok 90°</p>	8	608	10 mm		54,5	24	20	608KFPR10MVN
	8	608	13 mm		58	28	20	608KFPR13MVN
 <p>Push-Lok 45°</p>	8	608	10 mm		44,5	24	20	608KFPH10MVN
	8	608	13 mm		47	28	20	608KFPH13MVN

→← **Plugs – without valve** **Series 608/612**



	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 <p>Male Thread</p>	8	608	M 10 x 1	6	32	10		21	608SFAM10MXN
	8	608	G 1/8	6	32	10		21	608SFAW10MXN
	8	608	G 1/4	8	33	12		21	608SFAW13MXN
	8	608	G 3/8	8	24	13		21	608SFAW17MXN
	12	612	G 3/8	10	41	13		32	612SFAW17MXN
	12	612	G 1/2	14	44	16		32	612SFAW21MXN
	12	612	G 3/4	14	32	19		32	612SFAW26MXN
 <p>Male Thread 90°</p>	8	608	R 1/8		34	11	33	22	608SFAR10MXN
	8	608	G 1/4		37	13	33	22	608SFAR13MXN
	8	608	G 3/8		37	13	33	22	608SFAR17MXN
 <p>Male Thread 45°</p>	8	608	R 1/8		33	10,5		22	608SFAH10MXN
	8	608	R 1/4		35	13		22	608SFAH13MXN
 <p>Female Thread</p>	6	608	G 1/8	6	35	10		21	608SFIW10MXN
	6	608	G 1/4	8	40	14		21	608SFIW13MXN
	12	612	G 3/8	12	49	14		32	612SFIW17MXN
	12	612	G 1/2	12	50	14		32	612SFIW21MXN

→← **Extension Plugs – without valve** **Series 608/612**

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	8	608	G 1/8	6	50	28	21	608VN1005MXN
	8	608	G 1/8	6	100	60	21	608VN1010MXN
	8	608	G 1/8	6	150	60	21	608VN1015MXN
	8	608	G 1/4	8	50	28	21	608VN1305MXN
	8	608	G 1/4	8	100	60	21	608VN1310MXN
	8	608	G 1/4	8	150	60	21	608VN1315MXN
	8	608	G 1/4	8	200	60	21	608VN1320MXN

Color Clip for Couplings



Series 608/612

DN	Series	Connection A	Color	Part Number
8	608	Clip for Coupling	red	DHX608KXXKXR
8	608	Clip for Coupling	blue	DHX608KXXKXB
8	608	Clip for Coupling	black	DHX608KXXKXS
12	612	Clip for Coupling	red	DHX612KXXKXR
12	612	Clip for Coupling	blue	DHX612KXXKXB
12	612	Clip for Coupling	black	DHX612KXXKXS

Color Clip for Plugs

Series 608/612

DN	Series	Connection A	Color	Part Number
8	608	Clip for Plug	red	DHX608SXXKXR
8	608	Clip for Plug	blue	DHX608SXXKXB
8	608	Clip for Plug	black	DHX608SXXKXS
12	612	Clip for Plug	red	DHX612SXXKXR
12	612	Clip for Plug	blue	DHX612SXXKXB
12	612	Clip for Plug	black	DHX612SXXKXS