

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard

- Balls-latching system
- Guidevalve with mechanical backstop
- Suitable for industrial applications
- Available versions in AISI 316 stainless steel (HNV...2 series) and in Brass (HNV...5 series)
- Available versions for free flow (HNL series) and with additional safety sleeve (HSV series)
- Seals in Viton, EPDM and other compounds

► Special versions

Series HNV Viton

► Features

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- Guidevalve in steel
- Viton seals for high temperature applications up to +200°C (+392°F)
- Suitable for heavy duty applications with flow peaks and hydraulic water hammers.

► Accessories and spare part kit

See at pages 28-30.

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male in high grade carbon steel, induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.

Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

Series HNV

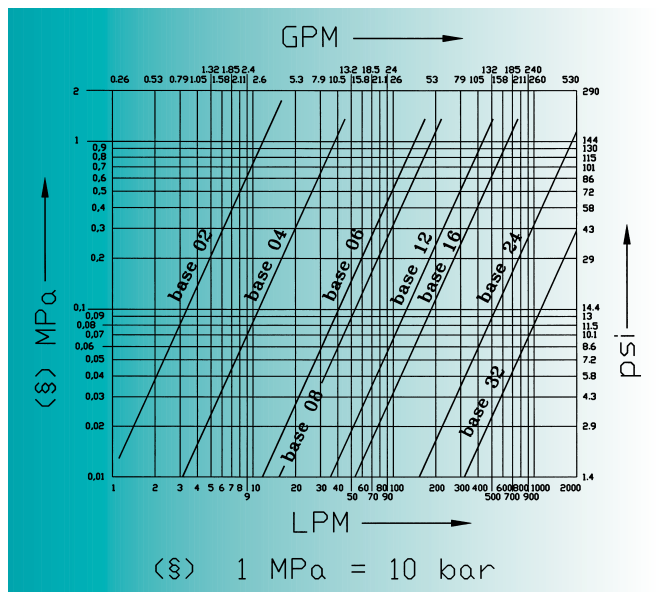


Series HSV

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard
- Additional safety sleeve to prevent accidental disconnection

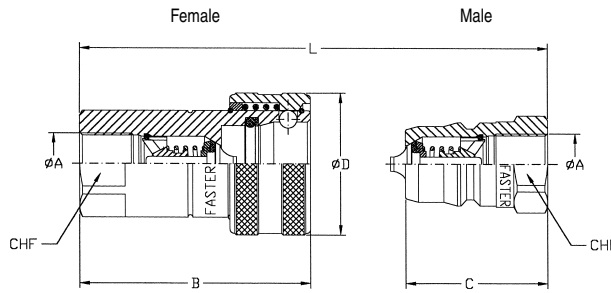
For more details, please contact **Faster Research & Development Dept.**



► Available items



Series **HNV**



Threaded end	❖	Threaded end	Female		Male		Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
			mm	inc.	mm	inc.			mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
02	A	HNV 18 GAS F	HNV 18 GAS M	1/8" BSP	DIN 3852-2-X	50	1,97	31,5	1,24	23	0,91	63	2,48	18	0,71	17	0,67			
		HNV 18 NPT F	HNV 18 NPT M	1/8" NPT	ANSI B 1.20.3	50	1,97	31,5	1,24	23	0,91	63	2,48	18	0,71	17	0,67			
04	B	* HNV 18-38SAE F	HNV 18-38SAE M	9/16" UNF	SAE J1926-1	50	1,97	33	1,30	23	0,91	63	2,48	18	0,71	19	0,75			
		HNV 14 GAS F	HNV 14 GAS M	1/4" BSP	DIN 3852-2-X	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75			
06	A	HNV 14 NPT F	HNV 14 NPT M	1/4" NPT	ANSI B 1.20.3	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75			
		* HNV 14-38SAE F	HNV 14-38SAE M	9/16" UNF	SAE J1926-1	60	2,36	39	1,54	28	1,1	78	3,07	19	0,75	19	0,75			
08	B	HNV 38 GAS F	HNV 38 GAS M	3/8" BSP	DIN 3852-2-X	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87			
		HNV 38 NPT F	HNV 38 NPT M	3/8" NPT	ANSI B 1.20.3	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87			
12	A	* HNV 38-38SAE F	HNV 38-38SAE M	9/16" UNF	SAE J1926-1	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87			
		HNV 12 GAS F	HNV 12 GAS M	1/2" BSP	DIN 3852-2-X	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06			
16	B	HNV 12 NPT F	HNV 12 NPT M	1/2" NPT	ANSI B 1.20.3	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06			
		* HNV 12-12SAE F	HNV 12-12SAE M	3/4" UNF	SAE J1926-1	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06			
24	A	HNV 12-58SAE F	HNV 12-58SAE M	7/8" UNF	SAE J1926-1	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06			
		HNV 34 GAS F	HNV 34 GAS M	3/4" BSP	DIN 3852-2-X	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34			
32	B	HNV 34 NPT F	HNV 34 NPT M	3/4" NPT	ANSI B 1.20.3	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34			
		* HNV 34-34SAE F	HNV 34-34SAE M	1 1/16" UN	SAE J1926-1	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34			
16	A	HNV 1 GAS F	HNV 1 GAS M	1" BSP	DIN 3852-2-X	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61			
		HNV 1 NPT F	HNV 1 NPT M	1" NPTF	ANSI B 1.20.3	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61			
24	B	* HNV 1-1SAE F	HNV 1-1SAE M	1 5/16" UN	SAE J1926-1	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61			
		HNV 112-114 GAS F	HNV 112-114 GAS M	1 1/4" BSP	DIN 3852-2-X	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56			
32	A	HNV 112 GAS F	HNV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56			
		HNV 112-114 NPT F	HNV 112-114 NPT M	1 1/4" NPT	ANSI B 1.20.3	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56			
32	B	HNV 112 NPT F	HNV 112 NPT M	1 1/2" NPT	ANSI B 1.20.3	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56			
		* HNV 112-114 SAE F	* HNV 112-114 SAE M	1 5/8" UN	SAE J1926-1	123	4,84	123	4,84	75	2,95	193	7,6	65	2,56	65	2,56			
32	A	HNV 112-112 SAE F	HNV 112-112 SAE M	1 7/8" UN	SAE J1926-1	123	4,84	123	4,84	75	2,95	193	7,6	65	2,56	65	2,56			
		HNV 2 GAS F	HNV 2 GAS M	2" BSP	DIN 3852-2-X	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54			
32	B	HNV 2 NPT F	HNV 2 NPT M	2" NPT	ANSI B 1.20.3	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54			
		HNV 2-212 NPT F	HNV 2-212 NPT M	2 1/2" NPT	ANSI B 1.20.3	164	6,46	164	6,46	105	4,13	264	10,4	90	3,54	90	3,54			
32	A	HNV 2-3 NPT F	HNV 2-3 NPT M	3" BSP	ANSI B 1.20.3	169	6,65	169	6,65	105	4,13	274	10,8	95	3,74	95	3,74			
		* HNV 2-2S F	* HNV 2-2S M	2 1/2" UN	SAE J1926-1	169	5,65	169	6,65	105	4,13	274	10,8	95	3,74	95	3,74			

❖ Size GAS = BSP *On request

The descriptions and illustrations in this catalogue are for information only and are not binding.

► Technical data

Size ❖	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/8" 02	4.5	0.2	7	1.8	65	14.3	40	5800	230	33350	160	23200	160	23200	0,5
1/4" 04	6	0.2	16	4.2	65	14.3	35	5075	155	22475	140	20300	170	24650	1,0
3/8" 06	9	0.4	60	15.9	80	17.6	32	4640	180	26100	130	18850	140	20300	1,5
1/2" 08	10.5	0.4	75	19.8	92	20.3	30	4350	150	21750	125	18125	130	18850	2,8
3/4" 12	16	0.6	190	30.3	120	26.4	25	3625	100	14500	110	15950	100	14500	10
1" 16	17.5	0.7	270	71.4	180	39.6	23	3335	106	15370	84	12180	90	13050	13
1 1/2" 24	38	1.5	750	198.4	185	40.7	14	2030	60	8700	56	8120	57	8265	80
2" 32	50	2	1600	423.3	160	35.2	9	1305	45	6525	38	5510	40	5800	160

* Safety factor = 1:4 - For static pressure safety factor 1:2