

HNV

Standard couplings for industrial applications, ISO 7241 part B interchange.

Standard couplings for industrial applications. Complete range of sizes from 1/8" to 2" (with BSP, NPT and SAE female threads) available. ISO 7241 part B interchange.



Technical Specifications

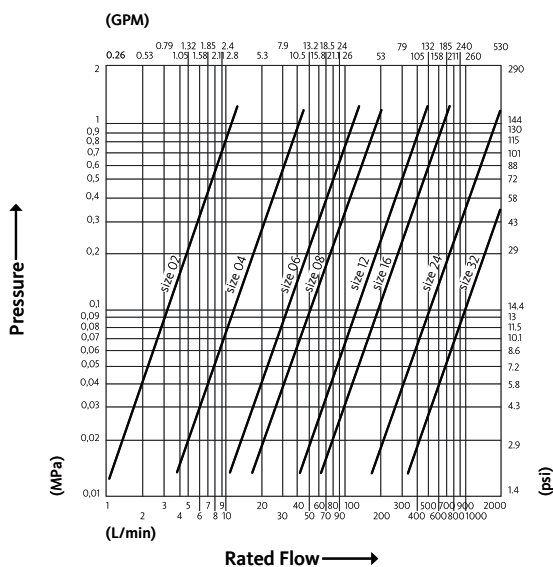
dash	Size mm	inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
							Male	Female	Male + Female
02	3.2	1/8"	50	5	0.5	60	280	200	200
04	6.3	1/4"	45	17	1	65	180	200	180
06	10	3/8"	30	50	1.5	85	130	120	180
08	12.5	1/2"	35	75	2.8	97	140	140	150
12	20	3/4"	25	190	10	120	110	100	100
16	25	1"	30	270	13	180	120	120	120
24	37.5	1-1/2"	14	750	80	185	56	56	60
32	50	2"	9	1600	160	160	38	40	45

Material	Steel
Seals	NBR
Working temperatures	- 25 °C to + 125 °C
Surface treatment	MATE 500 (CrIII)
Series Interchange	ISO 7241 part B

Applications



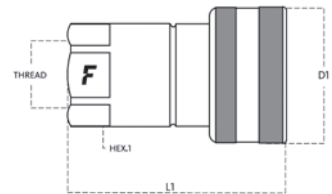
Pressure Drop



Test performed according to ISO 18869

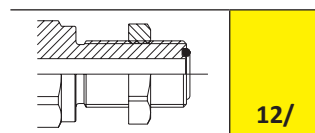
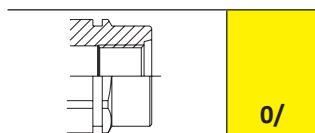
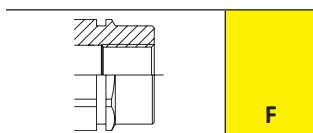
Valve Type	Poppet
Connection	Sleeve Retraction
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed



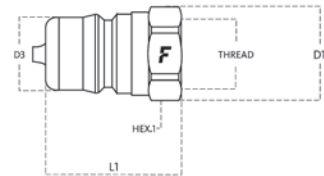


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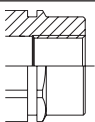
Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
3.2	1/8"	F NPTF	ANSI B1.20.3	NPTF 1/8" FEMALE	HNV 18 NPT F	50.3	1.98	23	0.91	18	0.71
3.2	1/8"	F BSPP	ISO 1179-1	BSPP 1/8" FEMALE	HNV 18 GAS F	50.3	1.98	23	0.91	18	0.71
6.3	1/4"	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	HNV 14-38SAE F	60	2.36	28	1.1	19	0.75
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	HNV 14 NPT F	56	2.2	28	1.1	19	0.75
6.3	1/4"	F BSPP	ISO 1179-1	BSPP 1/4" FEMALE	HNV 14 GAS F	56	2.2	28	1.1	19	0.75
10	3/8"	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	HNV 38-38SAE F	64	2.52	35	1.38	24	0.94
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	HNV 38 NPT F N	64	2.52	35	1.38	24	0.94
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	HNV 38 NPT F	64	2.52	35	1.38	24	0.94
10	3/8"	F BSPP	ISO 1179-1	BSPP 3/8" FEMALE	HNV 38 GAS F	64	2.52	35	1.38	24	0.94
12.5	1/2"	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	HNV 12-58SAE F	71.5	2.81	44	1.73	30	1.18
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	HNV 12 NPT F	71.5	2.81	44	1.73	30	1.18
12.5	1/2"	F BSPP	ISO 1179-1	BSPP 1/2" FEMALE	HNV 12 GAS F V	71.5	2.81	44	1.73	30	1.18
12.5	1/2"	F BSPP	ISO 1179-1	BSPP 1/2" FEMALE	HNV 12 GAS F	71.5	2.81	44	1.73	30	1.18
20	3/4"	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	HNV 34-34SAE F	89	3.5	52	2.05	36	1.42
20	3/4"	12/ SAE	ISO 8434-3	1-3/16"-12 UN MALE BULKHEAD ORFS	HNV 34-12/34SF	146	5.75	52	2.05	36	1.42
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	HNV 34 NPT F	89	3.5	52	2.05	36	1.42
20	3/4"	F BSPP	ISO 1179-1	BSPP 3/4" FEMALE	HNV 34 GAS F	89	3.5	52	2.05	36	1.42
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	HNV 1 NPT F	106	4.17	62	2.44	41	1.61
25	1"	O/ SAE	ISO 11926-1	1-5/16"-12 UN FEMALE ORB	HNV 1- 1SAE F	106	4.17	62	2.44	41	1.61
25	1"	F BSPP	ISO 1179-1	BSPP 1" FEMALE	HNV 1 GAS F	106	4.17	62	2.44	41	1.61
37.5	1-1/2"	F BSPP	ISO 1179-1	BSPP 1-1/2" FEMALE	HNV112 GAS F	126.4	4.98	75	2.95	65	2.56
37.5	1-1/2"	F BSPP	ISO 1179-1	BSPP 1-1/4" FEMALE	HNV112-114GAS F	126	4.96	75	2.95	65	2.56
50	2"	F NPTF	ANSI B1.20.3	NPTF 2" FEMALE	HNV 2 NPT F	142	5.59	105	4.13	89	3.5



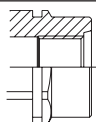
HNV



Size		Thread details			MALE									
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1		
						mm	inch	mm	inch	mm	inch	mm	inch	
3.2	1/8"	F NPTF	ANSI B1.20.3	NPTF 1/8" FEMALE	HNV 18 NPT M	31.5	1.24	19	0.75	10.8	0.43	17	0.67	
3.2	1/8"	F BSPP	ISO 1179-1	BSPP 1/8" FEMALE	HNV 18 GAS M	31.5	1.24	18.5	0.73	10.8	0.43	17	0.67	
6.3	1/4"	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	HNV 14-38SAE M	39	1.54	21	0.83	14.1	0.56	19	0.75	
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	HNV 14 NPT M	35	1.38	21	0.83	14.1	0.56	19	0.75	
6.3	1/4"	F BSPP	ISO 1179-1	BSPP 1/4" FEMALE	HNV 14 GAS M	35	1.38	21	0.83	14.1	0.56	19	0.75	
10	3/8"	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	HNV 38-38SAE M	39	1.54	24.5	0.96	19	0.75	22	0.87	
10	3/8"	O/ SAE	ISO 11926-1	3/4"-16 UNF FEMALE ORB	HNV 38-12SAE M	45	1.77	30	1.18	19	0.75	27	1.06	
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	HNV 38 NPT M N	39	1.54	24.5	0.96	19	0.75	22	0.87	
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	HNV 38 NPT M	39	1.54	24.5	0.96	19	0.75	22	0.87	
10	3/8"	F BSPP	ISO 1179-1	BSPP 3/8" FEMALE	HNV 38 GAS M	39	1.54	24.5	0.96	19	0.75	22	0.87	
12.5	1/2"	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	HNV 12-58SAE M	50	1.97	33	1.3	23.5	0.93	30	1.18	
12.5	1/2"	O/ SAE	ISO 11926-1	3/4"-16 UNF FEMALE ORB	HNV 12-12SAE M	44	1.73	30	1.18	23.5	0.93	27	1.06	
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	HNV 12 NPT M	44	1.73	30	1.18	23.5	0.93	27	1.06	
12.5	1/2"	F BSPP	ISO 1179-1	BSPP 1/2" FEMALE	HNV 12 GAS M	44	1.73	30	1.18	23.5	0.93	27	1.06	
20	3/4"	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	HNV 34-34SAE M	55	2.17	38	1.5	31.5	1.24	34	1.34	
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	HNV 34 NPT M	55	2.17	38	1.5	31.5	1.24	34	1.34	
20	3/4"	F BSPP	ISO 1179-1	BSPP 3/4" FEMALE	HNV 34 GAS M	55	2.17	38	1.5	31.5	1.24	34	1.34	
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	HNV 1 NPT M	66	2.6	45	1.77	37.8	1.49	41	1.61	
25	1"	F BSPP	ISO 1179-1	BSPP 1" FEMALE	HNV 1 GAS M	66	2.6	45	1.77	37.8	1.49	41	1.61	
25	1"	O/ SAE	ISO 11926-1	1-5/16"-12 UN FEMALE ORB	HNV 1-1SAE M	66	2.6	45	1.77	37.8	1.49	41	1.61	
37.5	1-1/2"	F BSPP	ISO 1179-1	BSPP 1-1/4" FEMALE	HNV112-114GAS M	126	4.96	71	2.8	44.5	1.75	65	2.56	
37.5	1-1/2"	F BSPP	ISO 1179-1	BSPP 1-1/2" FEMALE	HNV112 GAS M	126	4.96	71	2.8	44.5	1.75	65	2.56	
50	2"	F NPTF	ANSI B1.20.3	NPTF 2" FEMALE	HNV 2 NPT M	142	5.59	97	3.82	63.25	2.49	89	3.5	



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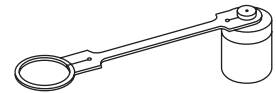
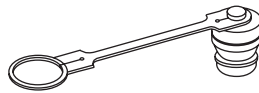


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HNV Accessories and Spares



PVC dust protections



Aluminium dust protections



Seals Kits