



# TNV

## Standard couplings, US interchange.

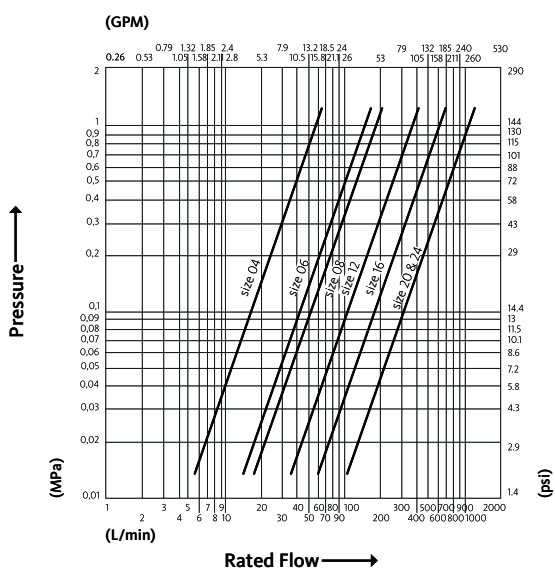
TNV series couplings are commonly used in US market as an alternative to standard series. Their valves have been designed to help flow and to allow connection with TNL parts (free flow) same series.



## Applications



## Pressure Drop



Test performed according to ISO 18869

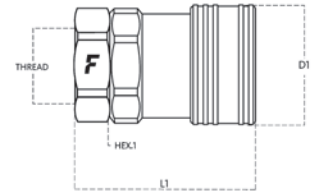
## Technical Specifications

dash	Size mm inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
						Male	Female	Male + Female
04	6.3 1/4"	27	22	2	60	140	130	125
06	10 3/8"	30	45	3	70	180	170	170
08	12.5 1/2"	22	80	4	92	100	88	88
12	20 3/4"	19	190	14	110	76	70	70
16	25 1"	15	280	20	100	60	60	60
20	31.5 1-1/4"	10	450	45	110	50	50	40
24	37.5 1-1/2"	11	450	80	150	45	45	45

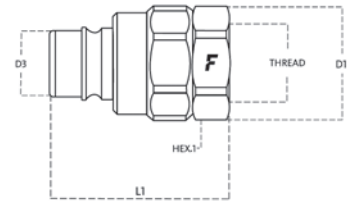
Material	<b>Steel</b>
Seals	<b>NBR</b>
Working temperatures	<b>- 25 °C to + 125 °C</b>
Surface treatment	<b>MATE 500 (CrIII)</b>
Series Interchange	<b>MARKET</b>

Valve Type	<b>Poppet</b>
Connection	<b>Sleeve Retraction</b>
Disconnection	<b>Sleeve Retraction</b>
Connection Under Pressure	<b>Not Allowed</b>

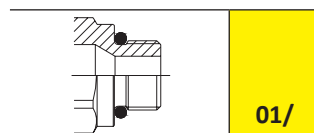
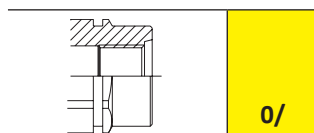
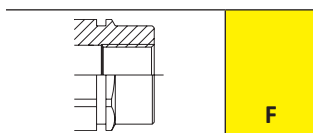




Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	TNV 04 NPT F	50	1.97	24	0.94	22	0.87
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	TNV 06 NPT F	57	2.24	27	1.06	24	0.94
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	TNV 08 NPT F	65	2.56	34	1.34	30	1.18
20	3/4"	O/ BSPP	BS 5380	BSPP 3/4 FEMALE ORB	TNV120/34GAS F	85.5	3.37	42	1.65	34	1.34
20	3/4"	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	TNV120/1116UN F	85.5	3.37	42	1.65	34	1.34
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	TNV 12 NPT F	64	2.52	42	1.65	36	1.42
25	1"	O/ BSPP	BS 5380	BSPP 1 FEMALE ORB	TNV160/1GAS F	71	2.80	50.5	1.99	46	1.81
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	TNV 16 NPT F	71	2.80	50.5	1.99	46	1.81
31.5	1-1/4"	F NPTF	ANSI B1.20.3	NPTF 1-1/4" FEMALE	TNV 20 NPT F	97	3.82	56	2.20	50	1.97
37.5	1-1/2"	F NPTF	ANSI B1.20.3	NPTF 1-1/2" FEMALE	TNV 24 NPT F	91	3.58	70	2.76	65	2.56



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
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	TNV 04 NPT M	49	1.93	24	0.94	10.8	0.43	21	0.83
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	TNV 06 NPT M	57	2.24	27	1.06	12.9	0.51	24	0.94
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	TNV 08 NPT M	63	2.48	34	1.34	16	0.63	30	1.18
20	3/4"	O1/ SAE	ISO 6149-2	1-1/16"-12 UN MALE JIC	TNV121/1116UN M	85.5	3.37	40	1.57	23.3	0.92	36	1.42
20	3/4"	O/ BSPP	BS 5380	BSPP 3/4 FEMALE ORB	TNV120/34GAS M	64	2.52	40	1.57	23.3	0.92	36	1.42
20	3/4"	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	TNV120/1116UN M	64	2.52	40	1.57	23.3	0.92	36	1.42
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	TNV 12 NPT M	63.5	2.50	40	1.57	23.3	0.92	36	1.42
25	1"	O/ BSPP	BS 5380	BSPP 1 FEMALE ORB	TNV160/1GAS M	68	2.68	50.5	1.99	29.7	1.17	46	1.81
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	TNV 16 NPT M	68	2.68	50.5	1.99	29.7	1.17	46	1.81
31.5	1-1/4"	F NPTF	ANSI B1.20.3	NPTF 1-1/4" FEMALE	TNV 20 NPT M	91	3.58	56	2.20	36.1	1.42	50	1.97
37.5	1-1/2"	F NPTF	ANSI B1.20.3	NPTF 1-1/2" FEMALE	TNV 24 NPT M	85	3.35	70	2.76	43.5	1.71	65	2.56



# TNV Accessories and Spares



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**PVC dust protections**

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**Seals Kits**

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