

TNV

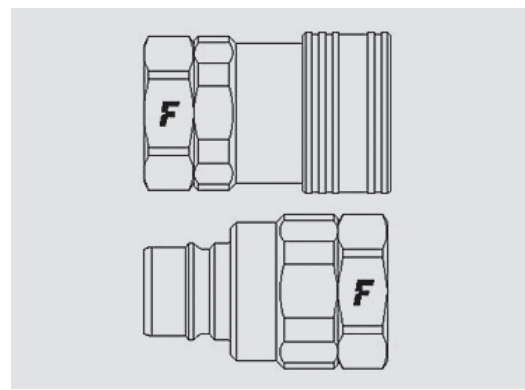


Standard couplings, US interchange.

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.



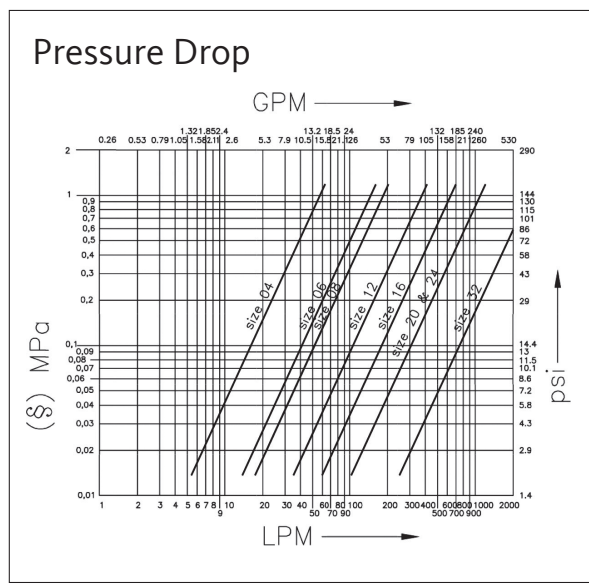
Applications

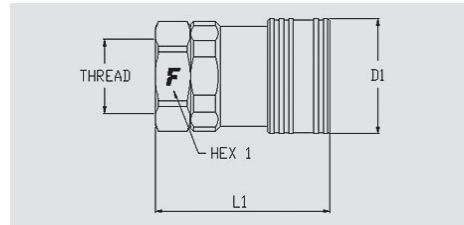


Technical Specifications

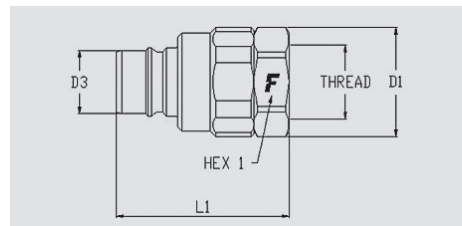
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6,3	1/4"	27	22	2	60	160	110	110
06	10	3/8"	30	65	3	60	180	120	160
08	12,5	1/2"	22	75	4	92	90	88	88
12	20	3/4"	19	170	14	110	76	76	76
16	25	1"	15	280	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	Steel
Seals	NBR
Working temperatures	- 25 °C to + 125 °C
Surface treatment	MATE 500 (CrIII)
Series Interchange	MARKET
Valve Type	Poppet
Connection	Sleeve Retraction
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed

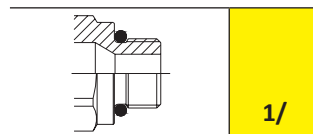
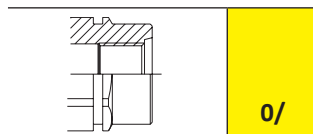
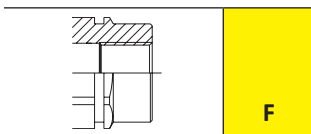




Size		Thread details			FEMALE						
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
1/4"	6,3	F NPTF	ANSI B1.20.3	NPTF 1/4 FEMALE	TNV 04 NPT F	50	1,97	24	0,94	22	0,87
3/8"	10	F NPTF	ANSI B1.20.3	NPTF 3/8 FEMALE	TNV 06 NPT F	57	2,24	27	1,06	24	0,94
1/2"	12,5	F NPTF	ANSI B1.20.3	NPTF 1/2 FEMALE	TNV 08 NPT F	65	2,56	34	1,34	30	1,18
3/4"	20	O/ BSPP	BS 5380	BSPP 3/4 FEMALE ORB	TNV120/34GAS F	64	2,52	42	1,65	36	1,42
3/4"	20	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	TNV120/1116UN F	64	2,52	42	1,65	36	1,42
3/4"	20	F NPTF	ANSI B1.20.3	NPTF 3/4 FEMALE	TNV 12 NPT F	64	2,52	42	1,65	36	1,42
1"	25	O/ BSPP	BS 5380	BSPP 1 FEMALE ORB	TNV160/1GAS F	71	2,8	50,5	1,99	46	1,81
1"	25	F NPTF	ANSI B1.20.3	NPTF 1 FEMALE	TNV 16 NPT F	71	2,8	50,5	1,99	46	1,81
1-1/4"	31,5	F NPTF	ANSI B1.20.3	NPTF 1-1/4 FEMALE	TNV 20 NPT F	97	3,82	56	2,2	50	1,97
1-1/2"	37,5	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								
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
1/4"	6,3	F NPTF	ANSI B1.20.3	NPTF 1/4 FEMALE	TNV 04 NPT M	49	1,93	24	0,94	10,8	0,43	22	0,87
3/8"	10	F NPTF	ANSI B1.20.3	NPTF 3/8 FEMALE	TNV 06 NPT M	57	2,24	27	1,06	12,9	0,51	30	1,18
1/2"	12,5	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
3/4"	20	O/ BSPP	BS 5380	BSPP 3/4 FEMALE ORB	TNV120/34GAS M	64	2,52	42	1,65	23,3	0,92	36	1,42
3/4"	20	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	TNV120/1116UN M	64	2,52	42	1,65	23,3	0,92	36	1,42
3/4"	20	O1/ SAE	ISO 6149-2	1-1/16"-12 UN MALE JIC	TNV121/1116UN M	64	2,52	42	1,65	23,3	0,92	36	1,42
3/4"	20	F NPTF	ANSI B1.20.3	NPTF 3/4 FEMALE	TNV 12 NPT M	64	2,52	42	1,65	23,3	0,92	36	1,42
1"	25	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
1"	25	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
1-1/4"	31,5	F NPTF	ANSI B1.20.3	NPTF 1-1/4 FEMALE	TNV 20 NPT M	91	3,58	56	2,2	36,1	1,42	50	1,97
1-1/2"	37,5	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

PVC dust caps



Plugs suitable for FEMALE



Caps suitable for MALE

Size			Plug Details		Size			Cap Details	
inch	mm	dash	Part number	Colour	inch	mm	dash	Part number	Colour
1/4"	6,3	04	TMH 14	red	1/4"	6,3	04	TFH 14 N	black
1/4"	6,3	04	TMH 14 N	black	1/4"	6,3	04	TFH 14	red
3/8"	10	06	TMA 38	yellow	3/8"	10	06	TFA 38 N	black
3/8"	10	06	TMA 38 A	orange	3/8"	10	06	TFH 38 N	black
3/8"	10	06	TMA 38 B	blue	3/8"	10	06	TFA 38 B	blue
3/8"	10	06	TMA 38 N	black	3/8"	10	06	TFH 38 B	blue
3/8"	10	06	TMA 38 R	red	3/8"	10	06	TFA 38 V	green
3/8"	10	06	TMA 38 V	green	3/8"	10	06	TFA 38 A	orange
1/2"	12,5	08	TMH 12	red	3/8"	10	06	TFH 38 A	orange
3/4"	20	12	TMH 34	red	3/8"	10	06	TFA 38 R	red
3/4"	20	12	TMH 34 N	black	3/8"	10	06	TFH 38	red
1"	25	16	TMH 1	red	3/8"	10	06	TFA 38	yellow
					3/8"	10	06	TFH 38 G	yellow
					1/2"	12,5	08	TFH 12	red
					3/4"	20	12	TFH 34 N	black
					3/4"	20	12	TFH 34	red

Seal Kits



For Female

Size			Seal Details	
inch	mm	dash	Material	Part Number
1/4"	6,3	04	NBR; PTFE	SK TNV 04
3/8"	10	06	NBR; PTFE	SK TNV 06
1/2"	12,5	08	NBR; PTFE	SK TNV 08
1/2"	12,5	08	NBR; PTFE	SK TNV 12
1"	25	16	NBR; PTFE	SK TNV 16
1-1/4"	31,5	20	NBR; PTFE	SK TNV 20
1-1/2"	37,5	24	NBR; PTFE	SK TNV 24
2"	50	32	NBR	SK TNV 32

Every seals kit is composed of 5 or 10 pcs.