

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve (**SV series**) or ball valve (**SS series**)
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard (1/2" size only)
- Balls latching system
- Additional safety sleeve to prevent accidental disconnection
- Perfect interchangeability with NV and NS series couplings

Accessories and spare part kit

See at pages 28-30.

Technical data



Patent Application Pending

Series	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	
SV	1/4" 04	6	0.24	15	3.9	55	12.1	35	5075	140	20300	140	20300	140	20300	0,8
	3/8" 06	9	0.35	50	13.2	85	18.7	30	4350	140	20300	120	17400	120	17400	1,3
	1/2" 08	10.5	0.41	75	19.8	92	20.3	30	4350	130	18850	120	17400	130	18850	1,8
	3/4" 12	16	0.63	150	39.6	150	33	25	3625	100	14500	100	14500	100	14500	8
	1" 16	17.5	0.69	230	60.8	130	28.6	23	3335	95	13775	95	13775	98	14210	13
	1 1/4" 20	22.5	0.89	340	89.8	145	31.9	22	3190	92	13340	92	13340	90	13050	30
	1 1/2" 24	29.5	1.16	450	119	265	58.4	18	2610	80	11600	70	10150	70	10150	34
	2" 32	47	1.85	1000	264	250	55	13	1885	64	9280	55	7975	70	10150	100
SS	1/4" 04	5	0.20	15	3.9	55	12.1	25	3625	140	20300	100	14500	100	14500	0,7
	3/8" 06	7	0.28	30	7.9	83	18.3	25	3625	140	20300	100	14500	100	14500	1
	1/2" 08	8.5	0.41	50	13.2	89	19.6	20	2900	120	17400	85	12325	80	11600	2
	3/4" 12	12	0.47	80	21.1	170	37,4	17	2465	150	21750	68	9860	95	13775	7
	1" 16	13.5	0.53	140	37	140	30,8	22	3190	160	23200	90	13050	120	17400	11

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

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.

Pressure drop graph

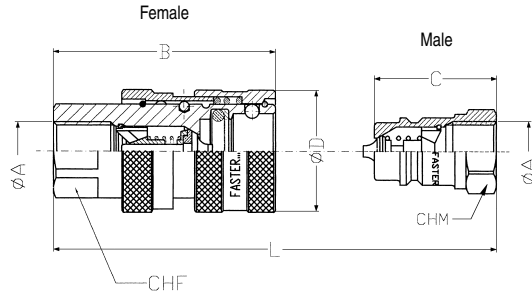
SV: see NV series at page 6

SS: see NS series at page 8

► Available items



Series **SV**

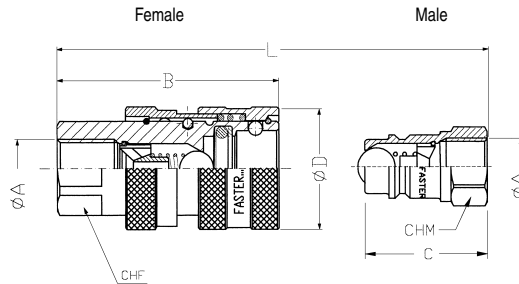


Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
	04	A	SV 14 GAS F	NV 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			SV 14 NPT F	NV 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SV 14 JPT F	* NV 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
	06	A	SV 38 GAS F	NV 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			SV 38 NPT F	NV 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			* SV 38 JPT F	* NV 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
	08	A	SV 12 GAS F	NV 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
			SV 12 NPT F	NV 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
* SV 12 JPT F			* NV 12 JPT M	1/2" JPT	JIS B 0203	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
12	A	SV 34 GAS F	NV 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		SV 34 NPT F	NV 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SV 34 JPT F	* NV 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
16	A	SV 1 GAS F	NV 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SV 1 NPT F	* NV 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SV 1 JPT F	* NV 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
20	A	SV 114 GAS F	NV 114 GAS M	1 1/4" BSP	DIN 3852-2-X	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		* SV 114 NPT F	* NV 114 NPT M	1 1/4" NPTF	ANSI B 1.20.3	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		* SV 114 JPT F	* NV 114 JPT M	1 1/4" JPT	JIS B 0203	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
24	A	SV 112 GAS F	NV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
		* SV 112 NPT F	* NV 112 NPT M	1 1/2" NPTF	ANSI B 1.20.3	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
		* SV 112 JPT F	* NV 112 JPT M	1 1/2" JPT	JIS B 0203	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
32	A	SV 2 GAS F	NV 2 GAS M	2" BSP	DIN 3852-2-X	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95	
		SV 2 NPT F	NV 2 NPT M	2" NPTF	ANSI B 1.20.3	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95	
			SV 2 JPT F	NV 2 JPT M	2" JPT	JIS B 0203	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95

❖ Size GAS = BSP *On request

► Available items

Series **SS**



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.
	04	A	SS 14 GAS F	NS 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SS 14 NPT F	* NS 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SS 14 JPT F	* NS 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
	06	A	SS 38 GAS F	NS 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			SS 38 NPT F	NS 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
* SS 38 JPT F			* NS 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94	
08	A	SS 12 GAS F	NS 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
		SS 12 NPT F	NS 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
		* SS 12 JPT F	* NS 12 JPT M	1/2" JPT	JIS B 0203	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
12	A	SS 34 GAS F	NS 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SS 34 NPT F	* NS 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SS 34 JPT F	* NS 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
16	A	SS 1 GAS F	NS 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SS 1 NPT F	* NS 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SS 1 JPT F	* NS 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	

❖ Size GAS = BSP *On request