



ISO  
Series B  
Interchange

72  
SERIES





## 72 Series — ISO Series B Interchange

*Featuring...Snap-tite quality with superior pressure and flow characteristics over the competition.*



- Sizes 1/8" – 1"
- Yellow Zinc Chromate plated steel<sup>†</sup>, stainless steel (303 & 316) and brass are standard
- Wide choice of seal materials to handle a variety of fluids
- Proven ball-lock mechanism provides positive connection
- Poppet style double shut-off
- Industry interchangeability...couplers (sockets) and nipples (plugs) are interchangeable with other manufacturers offering ISO Series B couplings

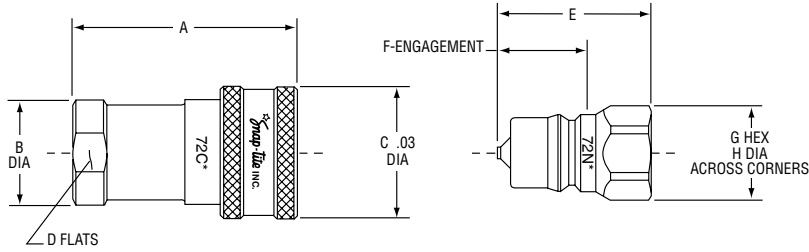
<sup>†</sup>Conforms with ROHS and WEEE European Union Directives

*Snap-tite's 72 Series is designed to meet or exceed ISO 7241-1 Series B. This ISO specification stipulates the test specification of the couplings and the dimensions of the nipple so the couplings will interchange with those of other manufacturers meeting this same specification. Snap-tite's 72 Series features superior pressure and flow characteristics over the other manufacturers making the 72 Series the premier ISO Industrial Interchange.*

### PRESSURE RATINGS Double shut-off (Valved and Valved)

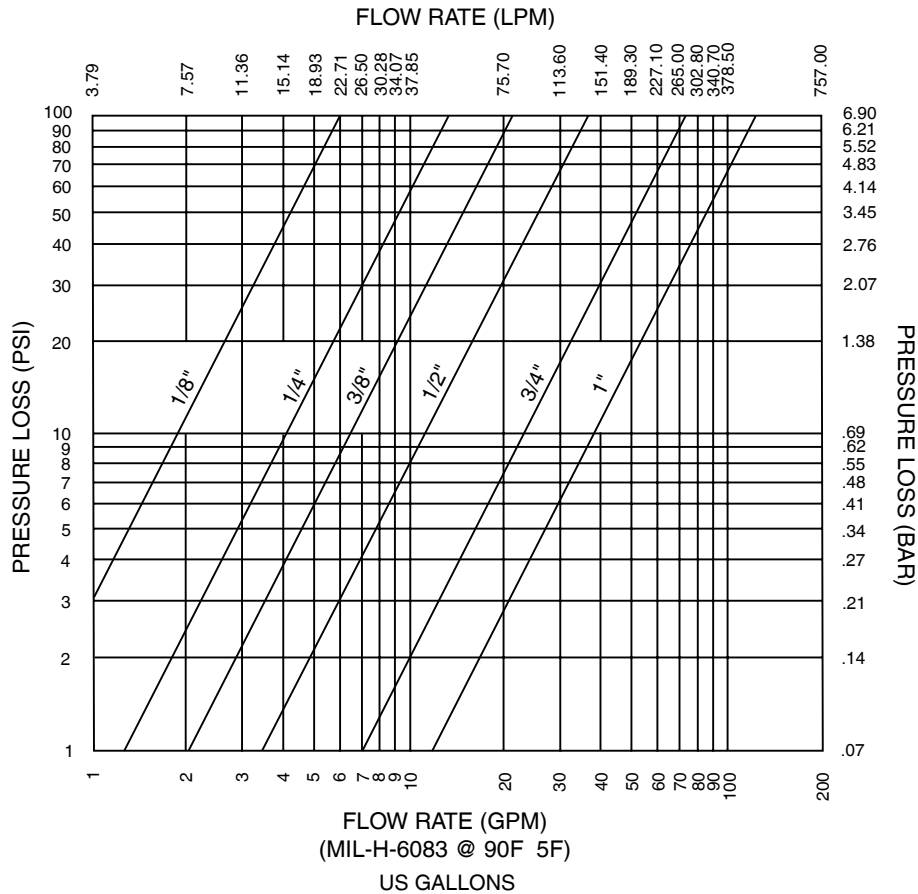
SIZE	STEEL				STAINLESS STEEL				BRASS			
	MAXIMUM WORKING		MINIMUM BURST		MAXIMUM WORKING		MINIMUM BURST		MAXIMUM WORKING		MINIMUM BURST	
	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
1/8"	5,000	345	20,000	1,380	4,000	280	16,000	1,105	3,000	210	12,000	830
1/4"	7,500	520	30,000	2,070	5,500	380	22,000	1,520	3,750	260	15,000	1,035
3/8"	5,000	345	20,000	1,380	3,750	260	15,000	1,035	2,750	190	11,000	760
1/2"	5,000	345	20,000	1,380	3,750	260	15,000	1,035	3,000	210	12,000	830
3/4"	4,000	280	16,000	1,105	3,000	210	12,000	830	2,200	155	8,800	610
1"	4,000	280	16,000	1,105	3,000	210	12,000	830	1,500	105	6,000	415

# TECHNICAL AND DIMENSIONAL INFORMATION



SIZE	A		A (SAE)		B		C		D		E		E (SAE)		F		G		H	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
1/8"	2.02	51.30			.82	20.83	.93	23.62	.69	17.53	1.38	35.05			.85	21.59	.56	14.22	.62	15.75
1/8" x 1/4"			2.06	52.32	.82	20.83	.93	23.62	.69	17.53			1.42	36.07	.85	21.59	.68	17.27	.76	19.30
1/4"	2.25	57.15			.88	22.35	1.12	28.45	.75	19.05	1.51	38.35			.95	24.13	.75	19.05	.83	21.08
1/4" x 3/8"			2.41	61.21	.88	22.35	1.12	28.45	.75	19.05			1.67	42.42	.95	24.13	.88	22.35	.96	24.38
3/8"	2.57	65.28			1.13	28.70	1.38	35.05	1.00	25.40	1.74	44.20			1.13	28.70	.88	22.35	.96	24.38
3/8" x 1/2"			2.77	70.36	1.13	28.70	1.38	35.05	1.00	25.40			1.94	49.28	1.13	28.70	1.00	25.40	1.10	27.94
1/2"	2.95	74.93	2.95	74.93	1.37	34.80	1.75	44.45	1.25	31.75	2.01	51.05	2.01	51.05	1.27	32.26	1.13	28.70	1.24	31.50
1/2" x 5/8"			3.02	76.71	1.37	34.80	1.75	44.45	1.25	31.75			2.08	52.83	1.27	32.26	1.19	30.23	1.31	33.27
3/4"	3.48	88.39	3.69	97.73	1.75	44.45	2.13	54.10	1.50	38.10	2.33	59.18	2.54	64.52	1.64	41.66	1.38	35.05	1.51	38.35
1"	4.14	105.16	4.14	105.16	2.00	50.80	2.50	63.50	1.75	44.45	2.81	71.37	2.81	71.37	1.87	47.50	1.63	41.40	1.79	45.47

# FLOW CHART



## HOW TO ORDER

PART NO. S 72 C 4- 4 F							
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seals	Options
No letter Steel, plated <b>S</b> 303 Stainless Steel <b>SS</b> 316 Stainless Steel <b>B</b> Brass	<b>72</b>	<b>C</b> Coupler <b>N</b> Nipple	<b>2</b> = 1/8" <b>4</b> = 1/4" <b>6</b> = 3/8" <b>8</b> = 1/2" <b>12</b> = 3/4" <b>16</b> = 1"	<b>2</b> = 1/8" <b>4</b> = 1/4" <b>6</b> = 3/8" <b>8</b> = 1/2" <b>10</b> = 5/8" <b>12</b> = 3/4" <b>16</b> = 1"	<b>F*</b> Female NPTF <b>RP</b> Female British Parallel BS2779 <b>EF†</b> Female SAE (Steel & 303 SST Only)	No letter for Buna-N (nitrile) <b>V</b> Viton <b>E</b> Ethylene Propylene Rubber	<b>SL</b> Sleeve Lock

\*316 stainless steel construction supplied with female NPSF threads

†SAE Threads:

- 1/8" is supplied with 1/4" SAE (2-4EF) only
- 1/4" is supplied with 3/8" SAE (4-6EF) only
- 3/8" is supplied with 1/2" SAE (6-8EF) only
- 1/2" *can* be supplied with 5/8" SAE (8-10EF) if required
- All others are size for size (8-8EF, 12-12EF, 16-16EF)

### ACCESSORIES

	DUST CAP/ PLUG
1/8"	72PDCP-2
1/4"	72PDCP-4
3/8"	72PDCP-6
1/2"	72PDCP-8
3/4"	72PDCP-12
1"	72PDCP-16

Dust cap/plugs have a cap and plug on the same strap for use on either a coupler or a nipple.

### ! WARNING !

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND/OR PROPERTY DAMAGE.

*This document and other information from Snap-tite, Inc., its subsidiaries and authorized distributors, provides product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operation conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.*

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