



Tri Flo Tech LLC

Los Angeles, California

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TRI A FLO

TRI AUTO FLO ; MECHANICAL SPECIFICATION AND ORDERING FORM;
 Tri Auto Flo is a combination isolation Valve, Union, Pressure and Temperature port which is equipped with a TriAutoFlo cartridge, which is capable of maintaining the flow within +/- 5% of actual flow rate between 2-50 PSID differential pressure across the cartridge. The Tri Flo forged brass body insures multiple taps, reliable leak free performance and additional accesories to accomodates variable piping configurations. Tri Flo Tech is capable of manufacturing the cartridges to maintain the flow to decimal increments such as 1.1 G.P.M., 1.2 G.P.M. thru 1.9 in all flow rates. Please Remove the cartridges from line when flushing the system.



TRI AUTO FLO

Pressure/ Temperature Ratings:

1/2" - 2": 600 PSI WOG Non - Shock

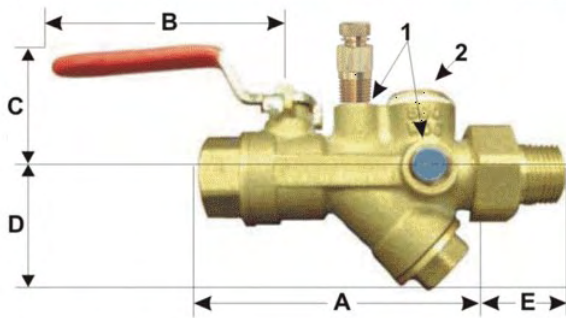
All Sizes: 325 Deg. F. Maximum

Optional Accessories:

- Air Vent

- PT/Port Accessory/Extension - Flex Hoses

Dimensional Information & Material Specifications:



Model #	Size	A	B	C	D	E	Cv*
TA-AF_	1/2"	3.80	3.40	1.70	1.60	1.00	5.50
TA-BF_	3/4"	5.20	3.40	1.80	2.40	1.00	9.00
TA-CF_	1"	5.30	3.40	1.80	2.40	1.20	9.00
TA-DF_	1-1/4"	6.60	4.40	2.50	3.50	1.70	28.00
TA-EF_	1-1/2"	6.60	4.40	2.50	3.50	1.90	28.00
TA-FF_	2"	11.30	5.50	3.50	4.50	1.90	32.00

Note: Cv's are based on valve body without cartridge.

Model shown is FxM consult factory for dimension per configuration.

Connection Availability:

Body End:	Female NPT	1/2" thru 2"
	Copper SWT	1/2" thru 2"
Tailpiece End:	Female NPT	1/2" thru 2"
	Male NPT	1/2" thru 2"
	Copper SWT	1/2" thru 2"
Tailpiece End	Female NPT	3/4" thru 2"
W/One Size	Male NPT	3/4" thru 2"
Reduction:	Copper SWT	1/2" thru 2"

Valve Body & Union Nut: Forged Brass

Ball: Chrome Plated/Forged Brass

Stem & Gland Nut: Forged Brass

Tailpiece: Forged Brass

Readout Port Body & Cap: Extruded Brass

Readout Port Seal: Nordel

Lever Handle: Zinc Plated Steel w/Vinyl Grip

Lever Nut: Extruded Brass

Seats & Packing: PTFE

Stem O-Rings: Viton

Option Ports:

#1 FNPT Option Port: (1) on top and (1) on each side:	1/2" thru 2"	1/4" port
	1/2" thru 1"	1/2" port
	1-1/4" thru 2"	

Cartridge Sizes

Flow Rate in GPM

1/2" LOW	0.25 - 3 *
1/2" HIGH	3.50 - 10 *
3/4" LOW	0.25 - 8 *
3/4" HIGH / 1"	8.10 - 17 *
1 1/4" / 1 1/2"	1.00 - 80 *
2"	26.00 - 126 *

* all cartridges sold in 0.1" increments

Automatic flow control cartridges can also be batch manufactured and custom crafted from a variety of different materials such as Monel, Hasttloy "C", Tantalum, Titanium, PVC, Kynar and others to enhance corrosive sensitive applications. Consult the factory today for more information about special materials required for your project.

Ordering Instructions

Model TAF - 075 S - 050 M - XX - XX - XX

Ball End
 1/2"= 050, 3/4"= 075, 1"=100, 1 1/4"= 125, 1 1/2"= 150, 2"= 200
 F = Female & S = Sweet

Union End
 1/2"= 050, 3/4"= 075, 1"=100, 1 1/4"= 125, 1 1/2"= 150, 2"= 200
 F = Female, M = Male & S = Sweet

Port Accessories
 PT, BD, SH, MV

Flow Rate in G.P.M. _____
 See Accessories

Project Information:

Contractor _____ Representative _____

Engineer _____ Job # _____

P.O.# _____ Date _____

Delivery _____ F.O.B. _____