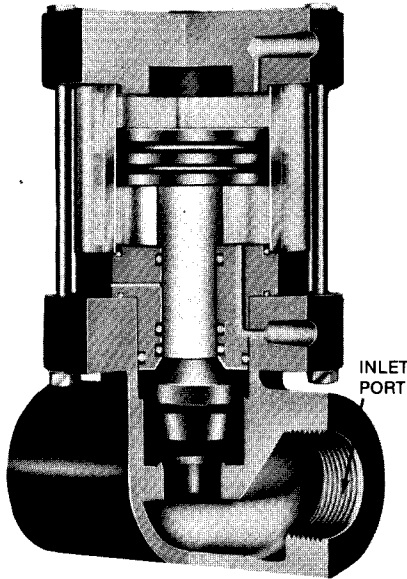


SERIES EAT

AIR PRESSURE TO OPEN AND AIR PRESSURE TO CLOSE

FEATURES

- Teflon shaft for non-sticking with Fail-Dry design
- Clear acrylic cylinder for visual indication of valve position
- Poppet seat and U cup seals for low friction operation
- Million cycle design with bubble tight shutoff
- Manual set throttling limit stop available



SERIES EAT

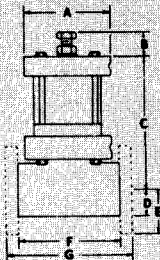
3/4 - 2

SPECIFICATIONS

		SERIES EAT
BODIES		PVC
CYLINDER WALLS		ACRYLIC
SEALS		BUNA-N, VITON or EPDM
SHAFT		20% GLASS FILLED TEFLON
FASTENERS		STAINLESS STEEL
SERVICE		PRESSURE or VACUUM
OPTIONS:		
	ENDS	SOCKET or FLANGED
	AIR SOLENOID	4-WAY

Air Inlet Connections are 1/8 NPT

SERIES EAT DIMENSIONS



	3/4		1		1 1/4		1 1/2		2	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	3 1/2	88.9	3 3/4	95.3	4 9/16	115.9	5	127.0	6	152.4
B (max)	1 3/4	44.5	1 3/4	44.5	1 5/8	41.3	1 3/4	44.5	2 3/8	60.3
C	5 1/2	139.7	6 7/16	163.5	7 3/16	182.6	7 5/8	193.7	8 3/16	208.0
D	1	25.4	1 1/8	28.6	1 3/8	34.9	1 3/8	34.9	1 11/16	42.9
E	1 15/16	49.2	2 1/8	54.0	2 5/16	50.8	2 1/2	63.5	3	76.2
F	3 11/16	93.7	4 1/2	114.3	5 1/2	139.7	5 1/2	139.7	7 1/8	181.0
G	4 11/16	119.1	5 5/8	142.9	6 3/4	171.5	6 7/8	174.6	8 5/8	219.1

PRESSURE RATINGS

LIQUID

Maximum: 125 PSI (8,63 BARS)
Minimum: Not required

AIR

Maximum: 100 PSI (6,90 BARS)

NOTE: For EPDM seals remove the "B" or "V" and substitute "EP" in the part number.

RECOMMENDED MINIMUM AIR PRESSURE REQUIRED TO CLOSE VALVE AGAINST LIQUID LINE PRESSURE								
LIQUID LINE PRESSURES	25		50		100		125	
	psi	bars	psi	bars	psi	bars	psi	bars
1/2	20	1,38	30	2,07	35	2,43	45	3,11
3/4	20	1,38	30	2,07	35	2,43	45	3,11
1	25	1,73	30	2,07	40	2,76	50	3,45
1 1/4	25	1,73	20	1,38	30	2,07	40	2,76
1 1/2	20	1,38	25	1,73	35	2,42	45	3,11
2	25	1,73	25	1,73	40	2,76	50	3,45

Rated 0 to 125 psi working pressure

CAUTION: Use air flow rate valves to slow down valve closing speed in applications where water hammer is present. Especially important in larger pipe sizes with high flow rates.

SERIES EAT PART NUMBERS

PIPE SIZE	Cv FACTOR	FULL OPEN TO FULL CLOSE		MANUALLY SET THROTTLING LIMIT STOP	
		BUNA-N SEALS	VITON SEALS	BUNA-N SEALS	VITON SEALS
3/4	8.5	EAT075B	EAT075V	EAT075B-LS	EAT075V-LS
1	15.0	EAT100B	EAT100V	EAT100B-LS	EAT100V-LS
1 1/4	24.0	EAT125B	EAT125V	EAT125B-LS	EAT125V-LS
1 1/2	33.0	EAT150B	EAT150V	EAT150B-LS	EAT150V-LS
2	60.0	EAT200B	EAT200V	EAT200B-LS	EAT200V-LS

DIMENSION & PART NUMBER UPDATE – SERIES EAT, ELT, EST 2-Way Valves Design Revision • Machined Solid Bodies

DESIGN:

Series EAT, ELT and EST 2-Way Shut-off Valves with visual position indicator have been re-designed. The main valve body is now machined from solid thermoplastic stock; the previous design was fabricated.

SPECIFICATIONS:

The pressure ratings, pressure requirements, material specifications and features in Catalog ASO-3 still apply and should be referred to.

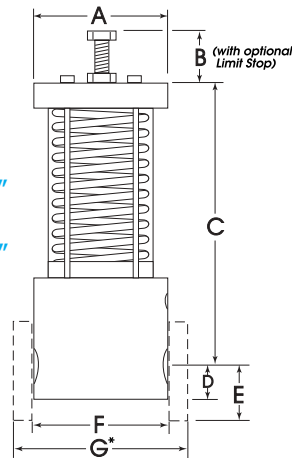
PART NUMBERS:

To avoid confusion with parts and seal kits for fabricated valves, the part numbers for the new designs have been changed. For all future EAT, ELT, EST-NC and EST-NO orders, replace the "E" in the part number with a "B". For example, EST100V-NC-PV should be ordered as BST100V-NC-PV.

DIMENSIONS:

Some of the body dimensions have changed. Please refer to the tables below for all BAT, BLT and BST valves 3/4" through 2". For 1/2" sizes and diverter valves (F & BFS), the dimensions in Catalog ASO-3 still apply.

SERIES "BST-NC"
&
SERIES "BST-NO"



SERIES "BST-NC" DIMENSIONS

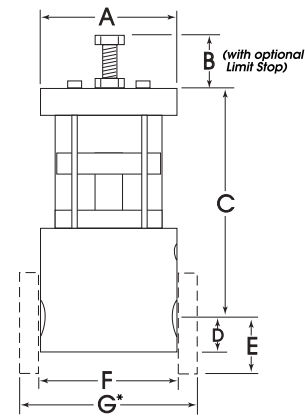
	in. 3/4"	mm	in. 1"	mm	in. 1 1/4"	mm	in. 1 1/2"	mm	in. 2"	mm
A	3 1/2	88.9	3 3/4	95.3	4 9/16	115.9	5	127.0	6	152.4
B _(max)	1 3/4	44.5	1 3/4	44.5	1 5/8	41.3	1 3/4	44.5	2 3/8	60.3
C	9 3/8	238.0	11 5/16	287.3	13	330.2	15	381.0	15 13/16	401.6
D	1 5/32	29.2	1 3/8	34.8	1 25/32	45.2	1 25/32	45.2	1 15/32	37.1
E	1 15/16	49.2	2 1/8	53.8	2 5/16	58.7	2 1/2	63.5	3	76.2
F	3	76.2	4	101.6	4 1/2	114.3	6	152.4	5	127.0
G*	4	101.6	5	127.0	5 3/4	146.1	7 3/8	187.2	8 1/2	215.9

SERIES "BST-NO" DIMENSIONS

	in. 3/4"	mm	in. 1"	mm	in. 1 1/4"	mm	in. 1 1/2"	mm	in. 2"	mm
A	3 1/2	88.9	3 3/4	95.3	4 9/16	115.9	5	127.0	6	152.4
B _(max)	1 3/4	44.5	1 3/4	44.5	1 5/8	41.3	1 3/4	44.5	2 3/8	60.3
C	9 1/16	230.1	9 15/16	236.5	11 5/16	287.3	14 1/8	358.6	14 3/4	374.7
D	1 5/32	29.2	1 3/8	34.8	1 25/32	45.2	1 25/32	45.2	1 15/32	37.1
E	1 15/16	49.2	2 1/8	53.8	2 5/16	58.7	2 1/2	63.5	3	76.2
F	3	76.2	4	101.6	4 1/2	114.3	6	152.4	5	127.0
G*	4	101.6	5	127.0	5 3/4	146.1	7 3/8	187.2	8 1/2	215.9

G* Dimension is inlet-to-outlet with optional flanged ends.

SERIES "BAT"
&
SERIES "BLT"



SERIES "BAT" DIMENSIONS

	in. 3/4"	mm	in. 1"	mm	in. 1 1/4"	mm	in. 1 1/2"	mm	in. 2"	mm
A	3 1/2	88.9	3 3/4	95.3	4 9/16	115.9	5	127.0	6	152.4
B _(max)	1 3/4	44.5	1 3/4	44.5	1 5/8	41.3	1 3/4	44.5	2 3/8	60.3
C	6 9/16	166.6	7 3/8	187.2	8 5/16	211.1	9	228.6	10 3/16	258.6
D	1 5/32	29.2	1 3/8	34.8	1 5/8	41.1	1 7/8	47.5	1 15/32	29.2
E	1 15/16	49.2	2 1/8	53.8	2 5/16	58.7	2 1/2	63.5	3	76.2
F	3	76.2	4	101.6	4 1/2	114.3	6	152.4	5	127.0
G*	4	101.6	5	127.0	5 3/4	146.1	7 3/8	187.2	8 1/2	215.9

SERIES "BLT" DIMENSIONS

	in. 3/4"	mm	in. 1"	mm	in. 1 1/4"	mm	in. 1 1/2"	mm	in. 2"	mm
A	3 1/2	88.9	3 3/4	95.3	4 9/16	115.9	5	127.0	6	152.4
B _(max)	1 3/4	44.5	1 3/4	44.5	1 5/8	41.3	1 3/4	44.5	2 3/8	60.3
C	5 5/16	134.9	5 9/16	141.2	6 3/8	161.8	6 5/8	168.2	8 7/8	225.3
D	1 5/32	29.2	1 3/8	34.8	1 7/8	47.5	1 7/8	47.5	1 1/2	38.1
E	1 15/16	49.2	2 1/8	53.8	2 5/16	58.7	2 1/2	63.5	3	76.2
F	3	76.2	4	101.6	4 1/2	114.3	6	152.4	5	127.0
G*	4	101.6	5	127.0	5 3/4	146.1	7 3/8	187.2	8 1/2	215.9

G* Dimension is inlet-to-outlet with optional flanged ends.



PLAST-O-MATIC VALVES, INC.

1384 Pompton Avenue, Cedar Grove, New Jersey 07009-1095
(973) 256-3000 • Fax (973) 256-4745 • www.plastomatic.com