

AF 2.50" - 8.00" Automatic Balancing Valve With Butterfly Valve

NuTech's AF Automatic Balancing Valve incorporates a Wafer style Cast Steel body and lug type Butterfly Valve with Adjustable Flow Positioning Plate. The removable flow Cartridge(s) are factory set to automatically limit the GPM to within $\pm 5\%$ of the specified flow. Shipped with Threaded Rods and Nuts for use with customer supplied companion flange. Standard features include dual Extended Pressure/Temperature Ports and Memory Stop.

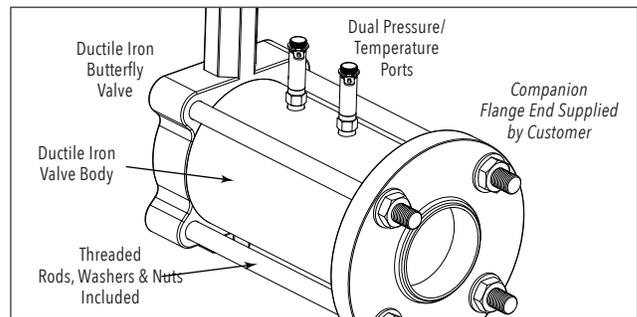


PRODUCT INFORMATION

PART	MATERIALS
Body (Wafer)	Cast Steel
Cartridge(s)	300 Series Stainless Steel Wear Surfaces with Stainless Steel Spring
Butterfly Valve	Ductile Iron A536 65-45-12
Disc	Aluminum Bronze B148 C954
Stem	Stainless Steel 416 A582
Seat	EPDM with Phenolic Backing
Bushing	Teflon/Fiberglass Backed
Seal	EPDM
End Connection	ANSI Class 125/150# Flanged (Customer Supplied)
Threaded Rods	Steel Zinc, CR 3 ROHS Compliant
Nuts	Zinc Plated, Heavy Hex Nut

SPECIFICATIONS

Function:	Automatic Balancing Valve and shut off Butterfly Valve
Sizes:	2.50" - 8.00"
Ratings:	Pressures to 200 PSIG (1380 kPa) Temperatures to 250° F (120° C)
Pressure Range:	Low = 2-32 PSID (2.50" - 8.00") High = 5-60 PSID (2.50" - 8.00")
Accuracy:	$\pm 5\%$ of flow rate

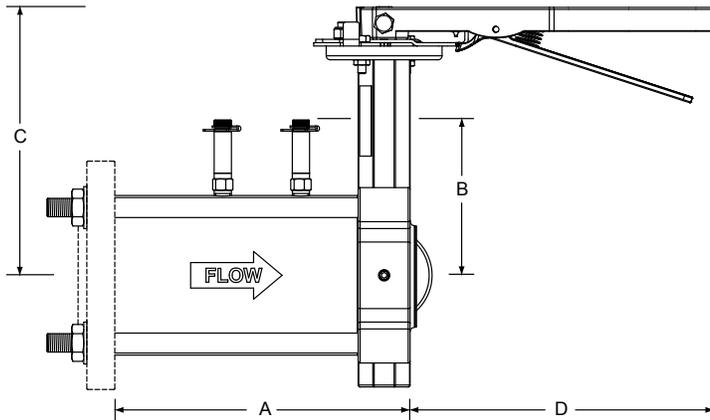


CONNECTIONS

MODEL	SIZE	INLET CONNECTION	OUTLET CONNECTION
AF - 250	2.50" 65 mm	*Customer Supplied Flange	Butterfly Valve
AF - 300	3.00" 80 mm	*Customer Supplied Flange	Butterfly Valve
AF - 400	4.00" 100 mm	*Customer Supplied Flange	Butterfly Valve
AF - 500	5.00" 125 mm	*Customer Supplied Flange	Butterfly Valve
AF - 600	6.00" 150 mm	*Customer Supplied Flange	Butterfly Valve
AF - 800	8.00" 200 mm	*Customer Supplied Flange	Butterfly Valve

*Flange shown in above image is Customer Supplied, Threaded Rods, Nuts & Washers are supplied with Valve/Butterfly

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Model AF Shown with Customer supplied
Outlet Companion Flange (In Dashed Line),
Threaded Rods, Washers & Nuts are supplied.

NOMINAL DIMENSIONS, WEIGHTS & FLOWS

MODEL - VALVE SIZE	SIZE			A	B	C	D	WEIGHT		Max.No. Cartridges	Maximum GPM (lps) Control Range PSID (kPa)	
	in	mm						lbs	kg		2-32 (14-221)	5-60 (34-414)
AF-250	2.50"	65	in	7.50	4.80	7.20	9.00	23.0	13.5	1	80 (5.0)	120 (7.6)
			mm	190	122	185	230					
AF-300	3.00"	80	in	10.60	5.15	7.60	9.00	34.0	18.0	1	135 (8.5)	170 (10.7)
			mm	255	131	195	230					
AF-400	4.00"	100	in	11.70	6.00	8.40	9.00	53.0	29.9	2	270 (17.0)	340 (21.4)
			mm	295	152	215	230					
AF-500	5.00"	125	in	12.30	6.50	8.90	9.00	86.0	39.2	3	405 (25.5)	510 (32.1)
			mm	315	165	225	230					
AF-600	6.00"	150	in	12.40	6.80	9.60	9.00	103.0	46.7	4	540 (34.0)	680 (42.8)
			mm	315	173	245	230					
AF-800	8.00"	200	in	13.40	8.00	10.80	5.00	151.0	68.6	7	945 (59.5)	1190 (75.0)
			mm	340	203	275	130					

Nominal Dimensions & Weights shown above are not to be used for construction purposes unless first certified by the Factory.

ORDERING DESIGNATION

AF - 250 - L - XX

MODEL

AF-250 (Shown)

VALVE BODY SIZE

2.50" (Shown)

CONTROL RANGE

L = Low 2-32 PSID (Shown), H = High 5-60 PSID

ACCESSORIES

*Optional Accessories Designations Below

AVAILABLE OPTIONS

*Optional Accessories are an extra charge and not included in the standard model price.

Accessory Designations:

BA	Buy American Construction	BT	Bag & Tag
BB#	Use Union End Ball Valve for Drain Valve - Specify Size: BB1 or BB2 with 0.50" MNPT Tailpiece	CC	Connection Charge
		DV-050	Drain Valve (3.00" - 6.00")
		HT	Hanging Tag (Plastic)
		PX	Extended Pressure/Temperature Vent