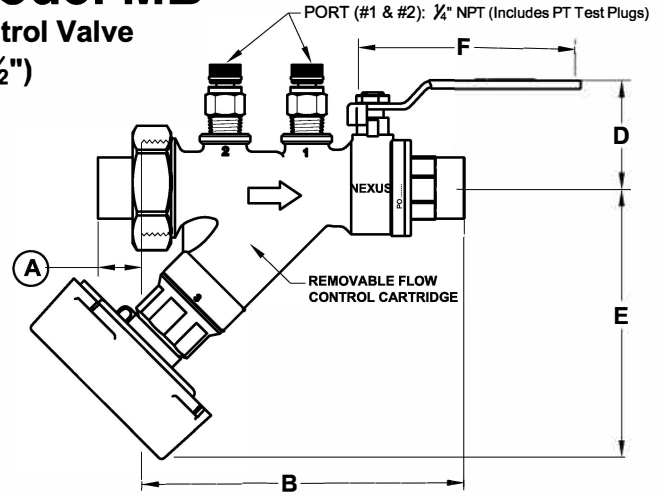












NEXUS

UltraMB™ Model MB

Manual Flow Control Valve (1/2" thru 2 1/2")








DIMENSIONS [inches]											
SIZE [inches]	LO	STD	A	B				D	E	F	WT [lbs] (Tail Pieces & Nuts not included)
				F (NPT)	S (sweat)	P (NexPress)	L (NexLok)				
1/2		✓		3.9	4.1	4.5	4.2	1.7	3.2	1.9	1.5
3/4	✓			3.9	4.2	4.6	4.4	1.7	3.2	1.9	1.5
3/4		✓		4.9	5.2	5.6	5.4	1.8	3.9	3.1	2.7
1	✓			4.3	4.4	4.6	4.9	1.7	3.2	1.9	1.5
1		✓		5.1	5.3	5.6	5.9	1.8	3.9	3.1	2.7
1 1/4	✓			5.4	5.3	7.6	8.0	1.8	3.9	3.1	2.7
1 1/4		✓		6.6	6.8	8.6	9.3	2.5	5.1	4.3	5.2
1 1/2		✓		6.6	7.0	8.9	9.5	2.5	5.1	4.3	5.3
2		✓		9.1	9.9	11.9	12.2	3.4	6.1	5.5	10.8
2 1/2		✓		9.8	10.6	-	-	3.4	6.1	5.5	11.3

TAIL PIECE OPTION	Nexus P/N	Lengths [inches]	Use with Valve Body size	
 MNPT (Male NPT Thread)	TP075-050M	1.00	1/2, 3/4 LO, 1 LO	
	TP125-050M	1.04	3/4 STD, 1 STD, 1 1/4 LO	
	TP125-075M	1.16		
	TP125-100M	1.29		
	TP200-050M	1.04	1 1/4 STD, 1 1/2	
	TP200-075M	1.16		
	TP200-100M	1.39		
	TP200-125M	1.85		
	TP200-150M	1.89		
	 FNPT (Female NPT Thread)	TP250-100M	1.93	2, 2 1/2
TP250-125M		1.93		
TP250-150M		1.97		
TP250-200M		2.00		
TP125-050F		1.00	3/4 STD, 1 STD, 1 1/4 LO	
TP125-075F		1.00		
TP125-100F		1.20		
 SWT (Female Sweat)		TP200-100F	1.61	1 1/4 STD, 1 1/2
	TP200-125F	1.57		
	TP200-150F	1.16		
	TP250-125F	1.77	2, 2 1/2	
	TP250-150F	1.97		
	TP250-200F	1.36		
TP250-250F	1.74			
 NexPress	TP075-038S	0.58	1/2, 3/4 LO, 1 LO	
	TP075-050S	0.59		
	TP125-050S	0.60	3/4 STD, 1 STD, 1 1/4 LO	
	TP125-075S	0.85		
	TP125-100S	1.00		
	 NexLok	TP200-075S	1.85	1 1/4 STD, 1 1/2
TP200-100S		1.85		
TP200-125S		1.85		
TP200-150S		1.38		
TP250-125S		1.69	2, 2 1/2	
TP250-150S	1.97			
TP250-200S	1.65			
 NexPress	TP125-050P	1.46	3/4 STD, 1 STD, 1 1/4 LO	
	TP125-075P	1.54		
	TPA125-100P	3.85		
	TP200-100P	1.58	1 1/4 STD, 1 1/2	
	TPA200-125P	3.70		
	TPA200-150P	3.63		
	 NexPress	TPA250-150P	4.44	2, 2 1/2
		TPA250-200P	4.07	
		TP125-050L	1.03	3/4 STD, 1 STD, 1 1/4 LO
		TP125-075L	1.29	
 NexLok		TP200-100L	1.66	1 1/4 STD, 1 1/2
	TPA200-125L	4.25		
	TPA200-150L	4.05		
	TPA250-125L	4.43	2, 2 1/2	
	TPA250-150L	4.85		
TPA250-200L	4.40			

FLOW RATE RECOMMENDATION GUIDE			
SIZE [inches]	IDEAL FLOW RANGES [gpm]		Handwheel Turns
	Min.	Max.	Max.
1/2, 3/4 LO, 1 LO	0.25	8.00	10
3/4 STD, 1 STD, 1 1/4 LO	0.45	18.00	10
1 1/4 STD, 1 1/2	1.00	40.00	10
2, 2 1/2	1.50	95.00	10

MATERIALS & DESIGN DATA	
BODY	.....DZR BRASS (dezincification resistant), (CAST DZR BRASS: 1 1/2" STD, 2", 2 1/2"), 600 WOG, 325°F
FIXED END	.....DZR BRASS (dezincification resistant) NexPress: 200 PSIG, 250°F / NexLok: 250 PSIG, 200°F / NexLok LD: 200 PSIG, 200°F
HANDLE & NUT	.....ZINC PLATED / PVC COATED
BALL	.....HARD CHROME PLATED BRASS / STAINLESS STEEL (optional)
BALL SEALS	.....TEFLON
SHAFT	.....BRASS / STAINLESS STEEL (optional); BLOWOUT-PROOF
SHAFT SEALS	.....DUAL FKM O-RINGS
UNION SEAL	.....FKM O-RING
CAP SEAL	.....FKM O-RING
BALANCING GLOBE	.....BRASS
HANDLE	.....NYLON, GLASS-FILLED
ACCURACY	.....±5%

ACCESSORIES			
	Order Code	Part No.	Description
	<input type="checkbox"/>	E	ES-1, ES-2, ES-3. EXTENDED HANDLE Stationary housing for full-height vapor barrier
	<input type="checkbox"/>	H	ES-MB. EXTENSION 3" O.A.L.
	<input type="checkbox"/>	L	HT. HANGING TAG with Model No., Location, Flow Rate (Maximum 7 Characters)
	<input type="checkbox"/>	X	SL. SHORT LEVER HANDLE
	<input type="checkbox"/>	X	PTE. PRES / TEMP TEST PLUG EXTENSION 1 1/16" O.A.L.

ORDER DATA											
Sample Part #: MB-075-S-050M-N											
Model	Valve Trim	UltraMB Size	Fixed End	Union End	Accessory Cap Option	N = NO Optional 3rd Port	Option Order Codes (Accessories)				

PROJECT _____

CONTRACTOR _____

PO/JOB NO. _____

ENGINEER _____

REPRESENTATIVE _____

DATE _____

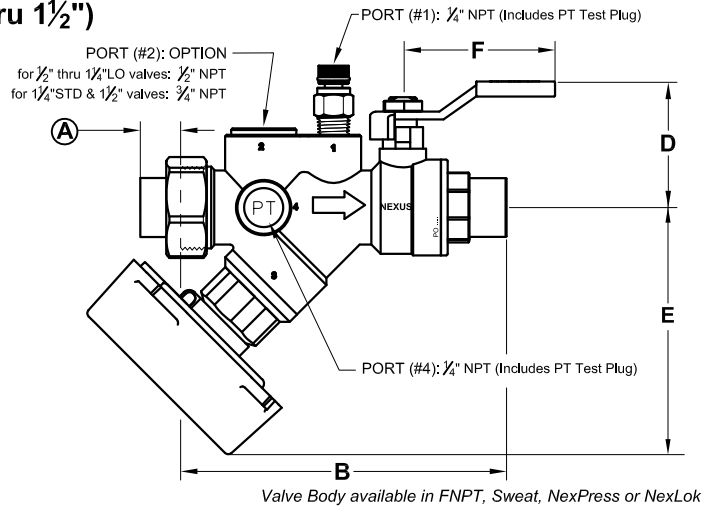
Please consult the "Ordering Guide" section in Nexus Valve Catalog for complete part number and ordering information.



UltraMB™ Model MB

Manual Flow Control Valve w/ Accessory Port

(½" thru 1½")



DIMENSIONS [inches]											
SIZE [inches]	LO	STD	A	B				D	E	F	WT [lbs] (Tail Pieces & Nuts not included)
				F (NPT)	S (sweat)	P (NexPress)	L (NexLok)				
½		✓		3.9	4.1	4.5	4.2	1.7	3.2	1.9	1.5
¾	✓			3.9	4.2	4.6	4.4	1.7	3.2	1.9	1.5
¾		✓		4.9	5.2	5.6	5.4	1.8	3.9	3.1	2.7
1	✓			4.3	4.4	4.6	4.9	1.7	3.2	1.9	1.5
1		✓		5.1	5.3	5.6	5.9	1.8	3.9	3.1	2.7
1¼	✓			5.4	5.3	7.6	8.0	1.8	3.9	3.1	2.7
1¼		✓		6.6	6.8	8.9	9.0	2.5	5.1	4.3	5.2
1½		✓		6.6	7.0	9.2	9.2	2.5	5.1	4.3	5.3

TAIL PIECE OPTION	Nexus P/N	Lengths [inches]	Use with Valve Body size
 MNPT (Male NPT Thread)	TP075-050M	1.00	½, ¾ LO, 1 LO
	TP125-050M	1.04	¾ STD, 1 STD, 1¼ LO
	TP125-075M	1.16	
	TP125-100M	1.29	
	TP200-050M	1.04	
 FNPT (Female NPT Thread)	TP200-075M	1.16	1¼ STD, 1½
	TP200-100M	1.39	
	TP200-125M	1.85	
	TP200-150M	1.89	
	TP125-050F	1.00	
 FNPT (Female NPT Thread)	TP125-075F	1.00	¾ STD, 1 STD, 1¼ LO
	TP125-100F	1.20	
	TP200-100F	1.61	
 FNPT (Female NPT Thread)	TP200-125F	1.57	1¼ STD, 1½
	TP200-150F	1.16	
	 SWT (Female Sweat)	TP075-038S		0.58	½, ¾ LO, 1 LO
TP075-050S		0.59	
TP125-050S		0.60	¾ STD, 1 STD, 1¼ LO
TP125-075S		0.85	
TP125-100S		1.00	
 SWT (Female Sweat)	TP200-075S	1.85	1¼ STD, 1½
	TP200-100S	1.85	
	TP200-125S	1.85	
	TP200-150S	1.38	
 NexPress	TP125-050P	1.46	¾ STD, 1 STD, 1¼ LO
	TP125-075P	1.54	
	TPA125-100P	3.85	
 NexPress	TP200-100P	1.58	1¼ STD, 1½
	TPA200-125P	3.70	
	TPA200-150P	3.63	
 NexLok	TP125-050L	1.03	¾ STD, 1 STD, 1¼ LO
	TP125-075L	1.29	
	TP200-100L	1.66	1¼ STD, 1½
	TPA200-125L	4.25	
	TPA200-150L	4.05	

MATERIALS & DESIGN DATA

BODY	.....DZR BRASS (dezincification resistant), 600 WOG, 325°F
FIXED END	.....DZR BRASS (dezincification resistant), NexPress: 200 PSIG, 250°F / NexLok: 250 PSIG, 200°F / NexLok LD: 200 PSIG, 200°F
HANDLE & NUT BALL	.....ZINC PLATED / PVC COATED
BALL SEALS	.....HARD CHROME PLATED BRASS / STAINLESS STEEL (optional)
SHAFT	.....TEFLON
UNION SEAL	.....BRASS / STAINLESS STEEL (optional), BLOWOUT-PROOF
CAP SEAL	.....DUAL FKM O-RINGS
BALANCING GLOBE	.....FKM O-RING
HANDLE	.....BRASS
ACCURACY	.....NYLON, BRASS-FILLED
	.....±5%

ACCESSORIES

	Order Code	Part No.	Description
	<input type="checkbox"/> A	AV-025	AUTOMATIC AIR VENT 245°F, 145 PSIG, positive shut-off, ¼" MNPT (Not available for: ½", ¾" LO, 1" LO)
	<input type="checkbox"/> E	ES-1, ES-2	EXTENDED HANDLE Stationary housing for full-height vapor barrier
	<input type="checkbox"/> H	ES-MB	EXTENSION 3" O.A.L.
	<input type="checkbox"/> H	HT	HANGING TAG with Model No., Location, Flow Rate (Maximum 7 Characters)
	<input type="checkbox"/> L	SL	SHORT LEVER HANDLE
	<input type="checkbox"/> V	MV-025	MANUAL AIR VENT 325°F, 400 PSIG, ½" MNPT, Side Discharge
	<input type="checkbox"/> X	MV-025L	MANUAL AIR VENT EXTENDED 325°F, 400 PSIG, ½" MNPT, Side Discharge, 2¼" O.A.L.
	<input type="checkbox"/>	PTE	PRES / TEMP TEST PLUG EXTENSION 1½" O.A.L.

FLOW RATE RECOMMENDATION GUIDE

SIZE [inches]	IDEAL FLOW RANGES [gpm]		Handwheel Turns Max.
	Min.	Max.	
½, ¾ LO, 1 LO	0.25	8.00	10
¾ STD, 1 STD, 1¼ LO	0.45	18.00	10
1¼ STD, 1½	1.00	40.00	10

ORDER DATA

Sample Part #: **MB-075-S-S-050M-V**

Model	MB
Valve Trim	-075-
UltraMB Size	S-S-
Fixed End	050
Union End	M-
Accessory Cap Option	V
Optional 3rd Port Accessory	
Option Order Codes (Accessories)	

PROJECT _____

CONTRACTOR _____

PO/JOB NO. _____

ENGINEER _____

REPRESENTATIVE _____

DATE _____

Please consult the "Ordering Guide" section in Nexus Valve Catalog for complete part number and ordering information.