





UltraMatic™ Model UM

Automatic Flow Control Valve

(½" thru 2½")

Valve Body available in FNPT, Sweat or NexPress

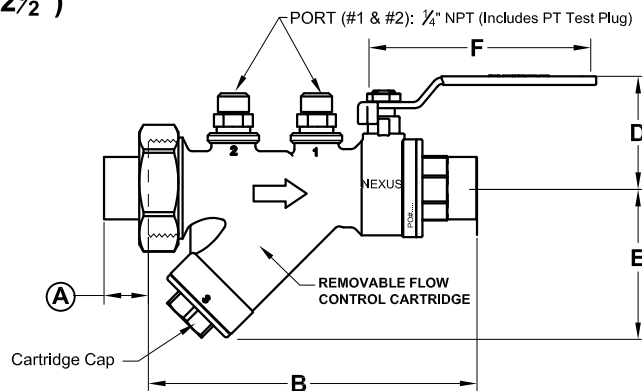
DIMENSIONS [inches]									
SIZE [inches]	XLO	LO	STD	A	B			D	E
					F (NPT)	S (sweat)	P (NexPress)		
½		✓			3.9	4.1	4.5	1.7	1.6
½			✓		5.0	4.9	5.5	1.8	2.4
¾		✓			3.9	4.2	4.6	1.7	1.6
¾			✓		4.9	5.2	5.6	1.8	2.4
1	✓				4.3	4.4	4.6	1.7	1.6
1		✓			5.1	5.3	5.6	1.8	2.4
1			✓		6.5	6.6	6.8	2.5	3.5
1¼		✓			5.4	5.3	7.6	1.8	2.4
1¼			✓		6.3	6.5	8.6	2.5	3.5
1½		✓			6.3	6.7	8.9	2.5	3.5
1½			✓		9.1	9.7	11.7	3.4	5.1
2			✓		9.1	9.9	11.9	3.4	5.1
2½			✓		9.8	10.6	-	3.4	5.1

TAIL PIECE OPTION	Nexus P/N	Lengths [inches]	Use with Valve Body size
 MNPT (Male NPT Thread)	TP075-050M	1.00	½ LO, ¾ LO, 1 XLO
	TP125-050M	1.04	
	TP125-075M	1.16	½ STD, ¾ STD, 1 LO, 1¼ LO
	TP125-100M	1.29	
	TP200-050M	1.04	1 STD, 1¼ STD, 1½ LO
 FNPT (Female NPT Thread)	TP200-075M	1.16	
	TP200-100M	1.39	
	TP200-125M	1.85	
	TP200-150M	1.89	
	TP250-100M	1.93	1½ STD, 2, 2½
 SWT (Female Sweat)	TP250-125M	1.93	
	TP250-150M	1.97	
	TP250-200F	1.36	
	TP250-250F	1.74	
	TP075-050S	0.59	½ LO, ¾ LO, 1 XLO
 NexPress	TP125-050S	0.60	½ STD, ¾ STD, 1 LO, 1¼ LO
	TP125-075S	0.85	
	TP125-100S	1.00	
	TP200-075S	1.85	1 STD, 1¼ STD, 1½ LO
	TP200-100S	1.85	






ORDER DATA

Sample Part #: UM - 0 0 7 5 - S - 0 7 5 M - 0 4, 0 - N

Model
Valve Trim
UltraUM Size
Fixed End
Union End
Flow Rate (GPM)
Accessory Cap Option
N = NO Optional 3rd Port
Option Order Codes (Accessories)



FLOW RATE SELECTIONS		
SIZE [inches]	PSID (range)	GPM (± 5.0%)
½ LO, ¾ LO, 1 XLO	2 - 45	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0
	4 - 55	7.0, 8.0
½ STD, ¾ STD, 1 LO, 1¼ LO	2 - 45	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 8.0
	5 - 50	9.0, 10.5
1 STD, 1¼ STD, 1½ LO	2 - 45	8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0
1½ STD, 2, 2½	2 - 45	25.0, 30.0, 35.0, 40.0, 45.0, 50.0, 55.0, 60.0, 65.0, 70.0

ACCESSORIES		
	Order Code	Part No. Description
	C	CV-1, CV-2. CHECK VALVE CV-1 for ½" LO, ¾" LO, 1" XLO; CV-2 for ½" STD, ¾" STD, 1" LO, 1¼" LO; Center Guided, Non-Slam Check
	E	ES-1, ES-2, ES-3. EXTENDED HANDLE Stationary housing for full-height vapor barrier
	H	HT. HANGING TAG with Model No., Location, Flow Rate (Maximum 7 Characters)
	L	SL. SHORT LEVER HANDLE
	X	PTE. PRES / TEMP TEST PLUG EXTENSION 1½" O.A.L.

MATERIALS & DESIGN DATA	
BODY, END PCS	.....HOT FORGED BRASS ASTM B283 (CAST BRASS: 1½" STD, 2", 2½"), 600 WOG, 325°F (NexPress: 200 PSIG, 250°F), INTERCHANGEABLE UNION END
HANDLE & NUT	.....ZINC PLATED
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
FLOW CARTRIDGE	.....STAINLESS STEEL MOVING PARTS IN BRASS HOUSING, REMOVABLE, PAT # 8517051
CARTRIDGE SEAL	.....EPDM
ACCURACY	.....5%

PROJECT _____

CONTRACTOR _____

PO/JOB NO. _____

ENGINEER _____

REPRESENTATIVE _____

DATE _____

For part numbers and ordering information please consult the "Ordering Guide" section in Nexus Catalog.

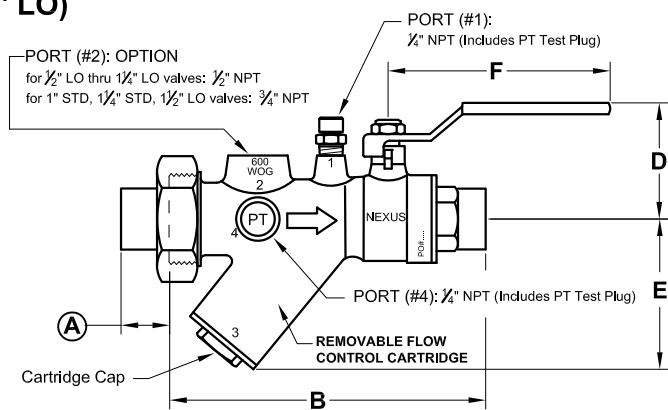
UltraMatic™ Model UM





Automatic Flow Control Valve w/ Accessory Port

(½" thru 1½" LO)

Valve Body available in FNPT, Sweat or NexPress

DIMENSIONS [inches]									
SIZE [inches]	XLO	LO	STD	A	F (NPT)	S (sweat)	P (NexPress)	D	E
½		✓			3.9	4.1	4.5	1.7	1.6
½			✓		5.0	4.9	5.5	1.8	2.4
¾		✓			3.9	4.2	4.6	1.7	1.6
¾			✓		4.9	5.2	5.6	1.8	2.4
1	✓				4.3	4.4	4.6	1.7	1.6
1		✓			5.1	5.3	5.6	1.8	2.4
1			✓		6.8	6.9	7.1	2.5	3.5
1¼		✓			5.4	5.3	7.6	1.8	2.4
1¼			✓		6.6	6.8	8.9	2.5	3.5
1½		✓			6.6	7.0	9.2	2.5	3.5










TAIL PIECE OPTION	Nexus P/N	Lengths [inches]	Use with Valve Body size
 MNPT (Male NPT Thread)	TP075-050M	1.00	½ LO, ¾ LO, 1 XLO
	TP125-050M	1.04	
	TP125-075M	1.16	½ STD, ¾ STD, 1 LO, 1¼ LO
	TP125-100M	1.29	
	TP200-050M	1.04	
 FNPT (Female NPT Thread)	TP200-075M	1.16	
	TP200-100M	1.39	1 STD, 1¼ STD, 1½ LO
	TP200-125M	1.85	
	TP200-150M	1.89	
	TP125-050F	1.00	
 SWT (Female Sweat)	TP125-075F	1.00	½ STD, ¾ STD, 1 LO, 1¼ LO
	TP125-100F	1.20	
	TP200-100F	1.61	
	TP200-125F	1.57	1 STD, 1¼ STD, 1½ LO
	TP200-150F	1.16	
 NexPress	TP075-050S	0.59	½ LO, ¾ LO, 1 XLO
	TP125-050S	0.60	
	TP125-075S	0.85	½ STD, ¾ STD, 1 LO, 1¼ LO
	TP125-100S	1.00	
	TP200-075S	1.85	
	TP200-100S	1.85	1 STD, 1¼ STD, 1½ LO
	TP200-125S	1.85	
	TP200-150S	1.38	
	TP125-050P	1.46	
	TP125-075P	1.54	½ STD, ¾ STD, 1 LO, 1¼ LO
	TPA125-100P	3.85	
	TPA125-125P	4.23	
	TP200-100P	1.58	
	TPA200-125P	3.70	1 STD, 1¼ STD, 1½ LO
	TPA200-150P	3.63	

MATERIALS & DESIGN DATA

BODY, END PCS	.....HOT FORGED BRASS ASTM B283
	600 WOG, 325°F (NexPress: 200 PSIG, 250°F), INTERCHANGEABLE UNION END
HANDLE & NUT	.....ZINC PLATED
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
FLOW CARTRIDGE	.....STAINLESS STEEL MOVING PARTS IN BRASS HOUSING, REMOVABLE, PAT # 8517051
CARTRIDGE SEAL	.....EPDM
ACCURACY	.....5%

ACCESSORIES

	Order Code	Part No.	Description
	<input type="checkbox"/> A	.... AV-025.	AUTOMATIC AIR VENT 250°F, 150 PSIG, positive shut-off, ¼" MNPT (Not available for: ½"LO, ¾"LO, 1"XLO)
	<input type="checkbox"/> C	.... CV-1, CV-2.	CHECK VALVE CV-1 for ½"LO, ¾"LO, 1" XLO; CV-2 for ½" STD, ¾"STD, 1"LO, 1¼"LO; Center Guided, Non-Slam Check
	<input type="checkbox"/> E	.... ES-1, ES-2, ES-3.	EXTENDED HANDLE Stationary housing for full-height vapor barrier
	<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, ¼" MNPT, Side Discharge
	<input type="checkbox"/> X	.... MV-025L.	MANUAL AIR VENT EXTENDED 325°F, 400 PSIG, ¼" MNPT, Side Discharge, 2¼" O.A.L.
		.... PTE.	PRES / TEMP TEST PLUG EXTENSION 1½" O.A.L.

FLOW RATE SELECTIONS		
SIZE [inches]	PSID (range)	GPM (± 5.0%)
½ LO, ¾ LO, 1 XLO	2 - 45	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0
	4 - 55	7.0, 8.0
½ STD, ¾ STD, 1 LO, 1¼ LO	2 - 45	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 8.0
	5 - 50	9.0, 10.5
1 STD, 1¼ STD, 1½ LO	2 - 45	8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0

ORDER DATA

Sample Part #: **UM - 075 - S - 075 M - 04,0 - V**

Model _____

Valve Trim _____

UltraUM Size _____

Fixed End _____

Union End _____

Flow Rate (GPM) _____

Accessory Cap Option _____

Optional 3rd Port Accessory _____

Option Order Codes (Accessories) _____

For part numbers and ordering information please consult the "Ordering Guide" section in Nexus Catalog.

PROJECT _____

CONTRACTOR _____

PO/JOB NO. _____

ENGINEER _____

REPRESENTATIVE _____

DATE _____