

BERMAD Irrigation



Automatic Metering Valves (AMV)

900-D Series

IR **4"** **920** **D0** **55** **G** **C**

Sector	Code
Irrigation	IR
IR Aggressive Water	IA

Size	
1 1/2"	DN40
2"	DN50
2 1/2" *	DN65 *
3"R **	DN80R **
3"	DN80
4"	DN100
6"	DN150
8"	DN200
10"	DN250

* H pattern only
** Globe only

Primary Features	Code
Basic	900
Basic Low Pressure	90L
Basic with Flow Limiter	90F
Pressure Reducing with Flow Limiter	92F
Pressure Reducing Valve	920
Pressure Reducing & Sustaining Valve	923
Flow Control Valve, Constant Downstream Pressure	927
Pressure Sustaining Valve	930
Pressure Sustaining with Flow Limiter	93F
Flow Control Valve	970
Flow Control & Pressure Reducing Control Valve	972
Flow Control & Pressure Sustaining Control Valve	973
Flow Control, Pressure Reducing & Sustaining Valve	975

Other primary features available on request.

Control Categories	Code
Without Control Command	00
Without Control Command-HP	02
Automatic Meter Valve (AMV)	D0
Automatic Meter Valve (AMV)-HP	D2
Sequential Automatic Metering Valve	DD
Sequential Automatic Metering Valve-HP	E2

HP (High Pressure) models are required for working pressure above 10 bar.

Additional Features	Code
No Additional Feature	00
Closing Speed-Control	01
Closing and Opening Speed-Control	03
Hydraulic Override	09
Check Feature	20
Solenoid-Controlled & Check Feature	25
Two-Stage Opening	30
Downstream Over Pressure Guard	48
Closing Surge Prevention	49
Solenoid Controlled	55
Electric Override	59
Flow Control By Flow Limiter	0F

Other additional features available on request.

Pattern	Code
Globe	G
Angle (2", 3", 4", 6" & 8")	A
Hydrant-Angle 120° (2 1/2" & 4" only)	H

Construction Materials	Code
Cast Iron (1 1/2" & 2" only)	I
Ductile Iron	C

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I6

PG

4AC

PP

800

AMV

KX

End Connections	Code
ISO-16	16
ISO-10	10
IS 14 (ISO 10/4 Holes)	14
ANSI-125	A1
ANSI-150	A5
BST-D	BD
JIS-7.5	J7
JIS-10	J1
JIS-16	J6
BSP (1 1/2", 2" & 3"R only)	BP
BSP-U (Ext. Thred.) (1 1/2" & 2" only)	BS
NPT (1 1/2", 2" & 3"R only)	NP
Hydrant 2 1/2" x BSP	HP
ABNT-16	B6
ABNT-10	B1

Other end connections available on request.

Coating	Code
Polyester Green RAL 6017	PG

Other coatings available on request.

Voltage Main Valve Position		Code
24VAC	- Normally Closed	4AC
24VAC	- Normally Open	4AO
24VAC	- Last Position	4AP
24VAC, Lightning Proof	- N.C.	4RC
24VAC, Lightning Proof	- N.O.	4RO
24VDC	- Normally Closed	4DC
24VDC	- Normally Open	4DO
24VDC	- Last Position	4DP
12VDC	- Normally Closed	1DC
12VDC	- Normally Open	1DO
12VDC	- Last Position	1DP
12VDC	- Latch Solenoid	1DS
9VDC	- Latch Solenoid	9DS
12VDC	- Latch Solenoid + RTU Bracket	1TS
9VDC	- Latch Solenoid + RTU Bracket	9DS
RTU	- Bracket without Solenoid	NTS

Other electrical ratings available on request.

Tubing & Fittings	Code
Plastic (Reinforced) Tubing & Fittings	PP
Copper Tubing & Brass Fittings	CB
Plastic (Reinforced) Tubing & Brass Fittings	PB

Dial Capacity	Code
AMV m ³	
3.8 m ³	004
12 m ³	012
40 m ³	040
80 m ³	080
120 m ³	120
150 m ³	150
200 m ³	200
350 m ³	350
600 m ³	600
800 m ³	800
1,200 m ³	1K0
2,100 m ³	2K0
3,500 m ³	3K0
6,000 m ³	6K0
8,000 m ³	8K0
12,000 m ³	12K
21,000 m ³	21K
AMV U.S. Gallon	
13,000 Gal	1G0
50,000 Gal	5G0
130,000 Gal	1KG
210,000 Gal	2KG
500,000 Gal	5KG
875,000 Gal	8KG
1,300,000 Gal	1MG
2,100,000 Gal	2MG

Additional Attributes Unlimited Selection	Code
Large Control Filter	F
Plastic Control Accessories	K
Homologation Approved	L
BSP-U Union Records Assembly	M
Calibration (2"-10" only)	N
Metal Control Accessories	R
Pump Shut Off Assy (For AMV only)	S
Orifice Assembly	U
Paddle Flow Control Pilot	V
3-way Control	X
Y Control Strainer	Y
Manual Selector	Z
Low Preset Pressure (below 3 bar)	2
Plastic Pressure Test Point	5

Other additional attributes are optional. Please consult our sales department for further information.

Pulse Rate	Code
Automatic Metering Valve	AMV
AMV + Pulse	DAT

For AMV with Pulse – choose: DAT from "Pulse Rate" table and the desired dial capacity.

- The pulse rate is factory set in accordance to selected dial:
 - Pulse per 1 m³ for dials 2100 and below
 - Pulse per 10 m³ for dials 3500 and above

