

MANUAL BALANCING VALVES

- DEZINCIFICATION-RESISTANT FOR LONG-LASTING, CORROSION-FREE PERFORMANCE
- LARGE SELECTION OF CAST IRON FLANGED AND GROOVED VALVES ENGINEERED FOR OPTIMUM PERFORMANCE



MANUAL BALANCING VALVES



FLO-BOSS® M

DZR Brass Fixed Orifice Balancing Valve

1810 Series – Threaded

Ratings

300 PSI Non-Shock Cold Working Pressure
Maximum Temperature 260°F at 150 PSI

Features

Sizes: ½ to 2"
Flow Measurement Accuracy of +/- 3%
Integral Positive Off
Memory Stop
Fixed Orifice
Location Tag

Material #	Model	Size	Inlet x Outlet Connection	Min/Max Flow Rate GPM	Weight Lbs
NL2XUL06	T-1810-U	½" ULT	FPT x FPT	0.24/1.0	1.23
NL1XM06	T-1810-L	½" L	FPT x FPT	0.52/2.0	1.23
NL2X006	T-1810	½"	FPT x FPT	1.2/5.0	1.23
NL2X008	T-1810	¾"	FPT x FPT	2.4/10.0	1.43
NL2X00A	T-1810	1"	FPT x FPT	4.3/18.0	1.73
NL2X00B	T-1810	1¼"	FPT x FPT	9.0/33.0	2.78
NL2X00C	T-1810	1½"	FPT x FPT	13/49.0	3.50
NL2X00D	T-1810	2"	FPT x FPT	24/78.0	4.82



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1810 Series – Solder

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300 PSI Non-Shock Cold Working Pressure
Maximum Temperature 260°F at 150 PSI

Features

Sizes: ½ to 2"
Flow Measurement Accuracy of +/- 3%
Integral Positive Off
Memory Stop
Fixed Orifice
Location Tag

Material #	Model	Size	Inlet x Outlet Connection	Min/Max Flow Rate GPM	Weight Lbs
NJ2XUL06	S-1810-U	½" ULT	SWT x SWT	0.24/1.0	1.16
NJ1XM06	S-1810-L	½" L	SWT x SWT	0.52/2.0	1.16
NJ2X006	S-1810	½"	SWT x SWT	1.2/5.0	1.16
NJ2X008	S-1810	¾"	SWT x SWT	2.4/10.0	1.34
NJ2X00A	S-1810	1"	SWT x SWT	4.3/18.0	1.55
NJ2X00B	S-1810	1¼"	SWT x SWT	9.0/33.0	2.53
NJ2X00C	S-1810	1½"	SWT x SWT	13/49.0	3.16
NJ2X00D	S-1810	2"	SWT x SWT	24/78.0	4.46



FLO-BOSS® M

DZR Brass Fixed Orifice Balancing Valve

1810 Series – Threaded x Press

Ratings

200 PSI Non-Shock Cold Working Pressure
Maximum Temperature 250°F at 150 PSI

Features

Sizes: ½ to 2"
Flow Measurement Accuracy of +/- 3%
Integral Positive Off
Memory Stop
Fixed Orifice
Location Tag

Material #	Model	Size	Inlet/Outlet Connection	Min/Max Flow Rate GPM	Weight Lbs
NMMU2406	TPC1810-U	½ U	FPT x PRESS	0.24/1.0	1.34
NMML2406	TPC1810-L	½ L	FPT x PRESS	0.52/2.0	1.34
NMM2406	TPC1810	½"	FPT x PRESS	1.2/5.0	1.34
NMM2408	TPC1810	¾"	FPT x PRESS	2.4/10.0	1.63
NMM240A	TPC1810	1"	FPT x PRESS	4.3/18.0	2.00
NMM240B	TPC1810	1¼"	FPT x PRESS	9.0/33.0	3.25
NMM240C	TPC1810	1½"	FPT x PRESS	13/49.0	4.20
NMM240D	TPC1810	2"	FPT x PRESS	24/78.0	5.75

MANUAL BALANCING VALVES



Ratings

240 PSI Non-Shock Cold Working Pressure
Maximum Temperature 250°F at 240 PSI

Features

Sizes: ½ to 2"
Memory Stop
Variable Orifice

FLO-BOSS® MV

DZR Brass Variable Orifice Balancing Valve

1710 Series – Threaded

Material #	Model	Size	Inlet x Outlet Connection	Min/Max Flow Rate GPM	Weight Lbs
NL1XL06	T-1710L	½"L	FPT x FPT	0.47/1.6	1.7
NL1X006	T-1710	½"	FPT x FPT	1.5/4.8	1.7
NL1X008	T-1710	¾"	FPT x FPT	3/8.7	2.0
NL1X00A	T-1710	1"	FPT x FPT	5.0/14.0	3.1
NL1X00B	T-1710	1¼"	FPT x FPT	8.0/24.0	4.2
NL1X00C	T-1710	1½"	FPT x FPT	11.0/32.0	5.1
NL1X00D	T-1710	2"	FPT x FPT	16/52	8.0



Ratings

240 PSI Non-Shock Cold Working Pressure
Maximum Temperature 250°F at 240 PSI

Features

Sizes: ½ to 2"
Memory Stop
Variable Orifice

FLO-BOSS® MV

DZR Brass Variable Orifice Balancing Valve

1710 Series – Solder

Material #	Model	Size	Inlet x Outlet Connection	Min/Max Flow Rate GPM	Weight Lbs
NJ1XL06	S-1710L	½"L	SWT x SWT	0.47/1.6	1.7
NJ1X006	S-1710	½"	SWT x SWT	1.5/4.8	1.7
NJ1X008	S-1710	¾"	SWT x SWT	3/8.7	2.0
NJ1X00A	S-1710	1"	SWT x SWT	5.0/14.0	3.1
NJ1X00B	S-1710	1¼"	SWT x SWT	8.0/24.0	4.2
NJ1X00C	S-1710	1½"	SWT x SWT	11.0/32.0	5.1
NJ1X00D	S-1710	2"	SWT x SWT	16/52	8.0



FLO-BOSS® MF

Flanged Variable Orifice Balancing Valve

F737A Series – Flanged

Ratings

Flanged ANSI Class 125
240 PSI Non-shock CWP
Maximum Temperature 250°F at 175 PSI

Features

Sizes: 2" to 12"
Cast Iron Body & Bonnet
Globe Valve
Non-Rising Stem
Integral Memory Stop

Material #	Model	Size	Inlet x Outlet Connection	Minimum GPM @ 0.145 PSI	Maximum GPM @ 1.45 PSI	Flow Rate GPM @ 7 ft/s	Weight Lbs
NHC801D	F737A	2"	Flanged x Flanged	16.8	53.2	73.4	35
NHC801E	F737A	2½"	Flanged x Flanged	29.8	94.3	105	51
NHC801F	F737A	3"	Flanged x Flanged	43.6	138	162	62
NHC801H	F737A	4"	Flanged x Flanged	78.7	249	278	93
NHC801J	F737A	5"	Flanged x Flanged	105	330	437	152
NHC801K	F737A	6"	Flanged x Flanged	167	529	631	176
NHC801L	F737A	8"	Flanged x Flanged	300	947	1091	362
NHC801M	F737A	10"	Flanged x Flanged	490	1549	1723	590
NHC801N	F737A	12"	Flanged x Flanged	790	2499	2443	838



FLO-BOSS® MG

Grooved Variable Orifice Balancing Valve

G737A Series – Grooved

Ratings

Grooved Dimensions per ANSI/
AWWA C606 for IPS Pipe
240 PSI Non-shock CWP
Maximum Temperature 250°F at 175 PSI

Features

Sizes: 2½" to 12"
Cast Iron Body & Bonnet
Globe Valve
Non-Rising Stem
Integral Memory Stop

Material #	Model	Size	Inlet x Outlet Connection	Minimum GPM @ 0.145 PSI	Maximum GPM @ 1.45 PSI	Flow Rate GPM @ 7 ft/s	Weight Lbs
NHC821E	G737A	2½"	Grooved x Grooved	29.8	94.3	105	39
NHC821F	G737A	3"	Grooved x Grooved	43.6	138	162	49
NHC821H	G737A	4"	Grooved x Grooved	78.7	249	278	66
NHC821J	G737A	5"	Grooved x Grooved	105	330	437	124
NHC821K	G737A	6"	Grooved x Grooved	167	529	631	148
NHC821L	G737A	8"	Grooved x Grooved	300	947	1091	330
NHC821M	G737A	10"	Grooved x Grooved	490	1549	1723	560
NHC821N	G737A	12"	Grooved x Grooved	790	2499	2443	783

