



HRJ 100

HRJ 100 symbolizes the long and durable tradition that Hydro-Rain® has built valves on from the dawn of the plastic valve era. For starters, the valve is molded with heavy-duty commercial grade glass filled nylon throughout its entire body—an industry first in the “jar-top” valve category. Secondly, its debris-tolerant metering pin design provides diaphragm closing dependability and long life. Finally, HRJ 100 is easy to service with a union lid design that needs no tools for removal.

FEATURES AND BENEFITS

- **Easy on easy off**—Jar-top design provides easy “no tools needed” access to internal valve parts
- **Rugged**—Double seal TPR diaphragm ensures years of reliable performance
- **Leak proof**—Buna-N seat seal provides positive closure and preventing seepage
- **Manual operation**—External bleed for manual system flush of dirt or debris during start up; Internal bleed for spray-free operation
- **Stainless steel metering system**—Ensures consistent accurate diaphragm performance and long valve life
- **Commercial grade construction**—Glass-filled nylon for long life and heavy-duty performance
- **High performance solenoid**—Long wire leads (18”) and spring captured plunger provide convenience and hassle free performance

BUILT FOR SPEED FEATURES

- **Threaded bonnet design**—Allows quick and simple servicing; No tools required



MODELS

HRJ-100-FF	1" Jar-Top Valve FIPT X FIPT
HRJ-100-BL	1" Jar-Top Valve FNPT X 3/4" Blulock
HRJ-100-MM	1" Jar-Top Valve NPT X NPT

HOW TO SPECIFY

HRJ 100 FF 0

MODEL	SIZE	OPT. FEATURES
Jartop Valve	1"	Female x Female Thread



HYDRO-RAIN®

Built for Speed™

HRJ 100

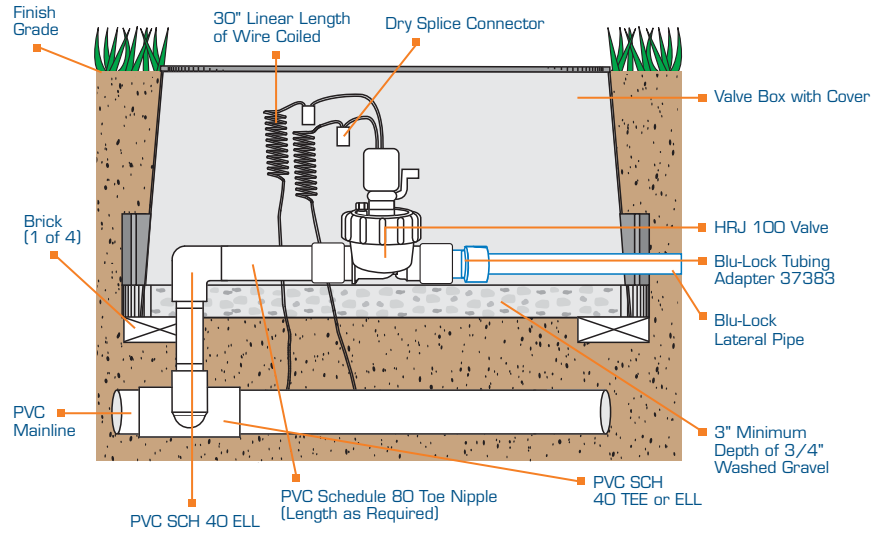
OPERATING RANGE

- Flow: .25 to 30 GPM (1 to 115 LPM)
- Pressure Range: 10-150 PSI (0.7 to 10 Bar)
- Dimensions:
 - Height: 5" (12,7 cm)
 - Length: 4" (10,1cm)
 - Width: 3" (7,6 cm)

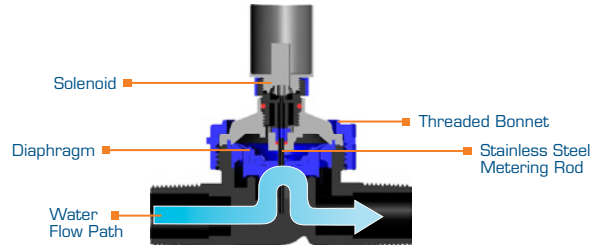
ELECTRICAL SPECIFICATIONS

- 24 vac 50/60 HZ (Cycles/Sec) Solenoid
- Inrush Current: .30 A (7.2 VA) at 60 HZ
- Holding Current: .19 A (4.6VA) at 60 HZ
- Coil Resistance: 42-55 OHMS

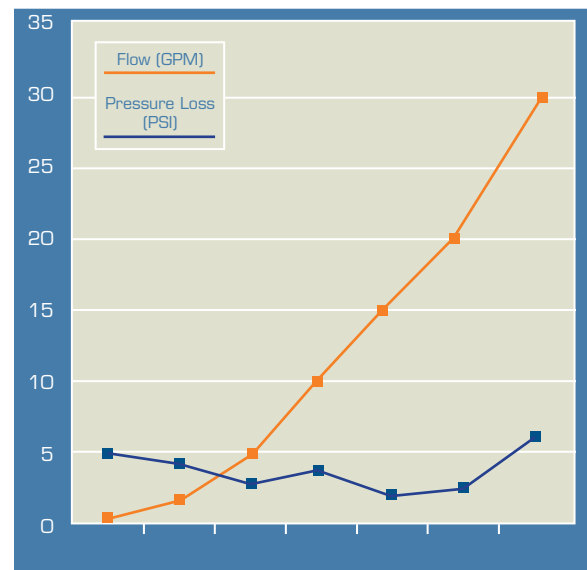
INSTALLATION SPECIFICATION DETAIL



HRJ 100 CUTAWAY



HRJ 100 PRESSURE LOSS



PRESSURE LOSS (PSI)	FLOW RATE (GPM)
5	.25
4.6	2
3.5	5
4	10
2.97	15
3.26	20
6.2	30

PRESSURE LOSS (BAR)	FLOW RATE (LPM)
0,35	1
0,32	8
0,24	20
0,30	40
0,21	60
0,23	80
0,30	100