

# HYDRO-RAIN®

Built for Speed™

# HRJ 100

HRJ 100. The industry's premier entry-level, commercial-grade valve symbolizes everything the name Hydro-Rain® has come to mean. Featuring Built for Speed™ construction, including "jar-top" lid serviceability and the special Hydro-Rain® enabled version, which includes a factory installed Hydro-Rain® adapter, delivering the fastest installation times in the industry. The HRJ 100 leaves the competition in the trenches with its worry-free, glass-filled polypropylene construction that is Built for Green. Add all this to a debris-resistant metering pin design that provides slow closing diaphragm action for long-lasting dependability, and its easy to see why the HRJ Series has raised the bar in irrigation valves.



### BUILT FOR SPEED ADVANTAGES

- **Fast Valve Service**—Pairs standard diaphragm with easy-to-service "jar top" lid.
- **Factory-Installed 1" Hydro-Rain® Adapter**—Makes for lightening fast, glueless installation.

### BUILT FOR GREEN ADVANTAGES

- **Ultra Low Flow**—Allows operation at lowest possible flows to boost water savings.

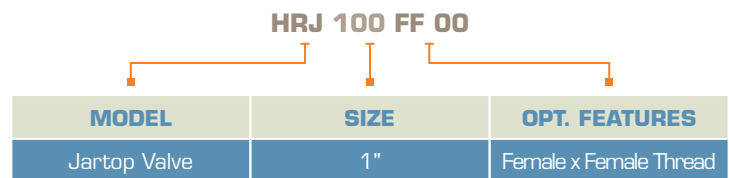
### FEATURES AND BENEFITS

- **Commercial-Grade Construction**—Features glass-filled polypropylene and heavy-duty PVC body.
- **Weep Free Valve Seat**—Delivers positive closure.
- **Low-Flow Capable**—Operates efficiently from .25 to 30 GPM.
- **Stainless Steel Metering**—Ensures optimal diaphragm performance.
- **Manual Internal Bleed**—Enables water-efficient manual operation.
- **Manual External Bleed**—Allows for fast seasonal startup and shutdown.
- **High Performance Solenoid**—Features 18" Hydro-Rain lead wires and captured plunger.
- **Three-Year Warranty**—Hydro-Rain® ensures full quality performance for the warranty period or we'll replace it.




















### MODELS SKU DESCRIPTION

MODELS	SKU	DESCRIPTION
HRJ-100-FF-00	02001	HRJ 100 1" Jar Top Valve
HRJ-100-FB-75	02002	HRJ 100 1" Jar Top Valve with BL ¾" Adapter
HRJ-100-FB-1X	02007	HRJ 100 1" Jar Top Valve with BL 1" Adapter

### HOW TO SPECIFY



HYDRO-RAIN® ▶ (ph) 888-HYDRORAIN (fx) 801.203.1179 ▶ www.hydorain.com ▶ 915 Overland Street, North Salt Lake, UT 84054

 <p>FLUID</p> <p>P 801 295 9820 F 801 951 5815 www.fluid-studio.net 1065 South 500 West Bountiful, Utah 84010</p>	<p><b>PROOF NO: 1</b></p> <p>DATE: 04.30.12</p> <p>DES: ME</p> <p>CLIENT: Hydro-Rain</p> <p>SKU: 02001</p> <p>UPC: N/A</p> <p>FILE NAME: 02001-36 rFindd</p> <p>SOFTWARE: InDesign CS5</p>	<p><b>DIMENSIONS:</b></p> <p>FLAT: W: 8.5" H: 11"</p> <p>FINISHED: W: 8.5" H: 11"</p> <p><b>COLORS</b></p> <table border="0"> <tr> <td></td> <td>Registration</td> <td></td> <td>color non printing</td> <td></td> <td>color non printing</td> </tr> <tr> <td></td> <td>CMYK</td> <td></td> <td>PMS 2955</td> <td></td> <td>PMS ???</td> </tr> </table> <p><b>ADDITIONAL INSTRUCTIONS:</b></p> <p>.</p> <p>.</p>		Registration		color non printing		color non printing		CMYK		PMS 2955		PMS ???	<p>Printers are responsible for meeting print production requirements. Any changes must be approved by the client and Fluid Studio. Printed piece <b>MUST MEET DESIGNATED SPECIFICATIONS ON THIS FORM.</b></p>
	Registration		color non printing		color non printing										
	CMYK		PMS 2955		PMS ???										

# HYDRO-RAIN®

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# HRJ 100

### OPERATING RANGE

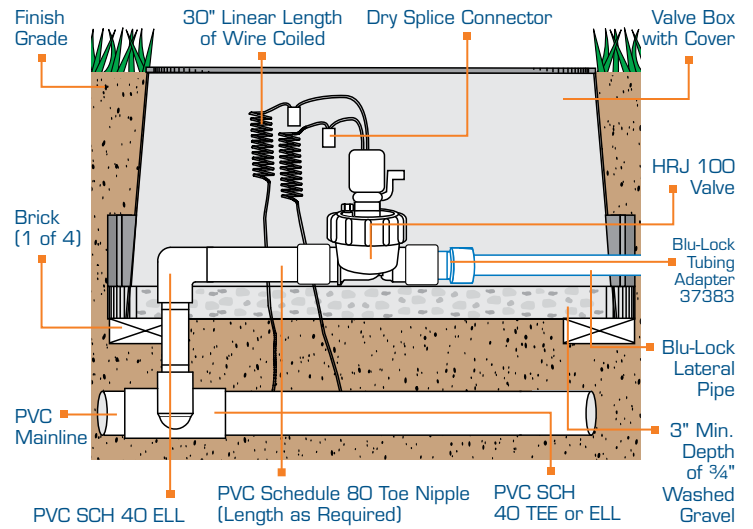
- **Flow:** .25~30 GPM (1~115 LPM)
- **Pressure Range:** 10~150 PSI (0,7~10 Bar)
- **Dimensions:**
  - Height: 5" (12,7 cm)
  - Length: 4" (10,1cm)
  - Width: 3" (7,6 cm)

### ELECTRICAL SPECIFICATIONS

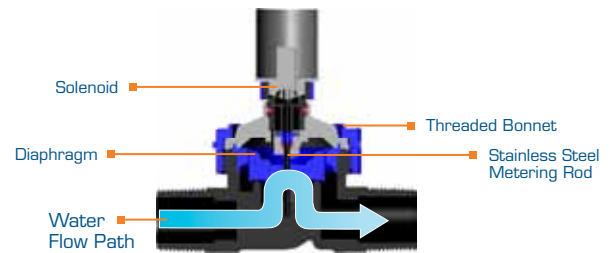
- **24 vac 50/60 HZ** (Cycles/Sec) Solenoid
- **Inrush Current:** .30 A (7.2 VA) at 60 HZ
- **Holding Current:** .19 A (4.6VA) at 60 HZ
- **Coil Resistance:** 42~55 OHMS

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

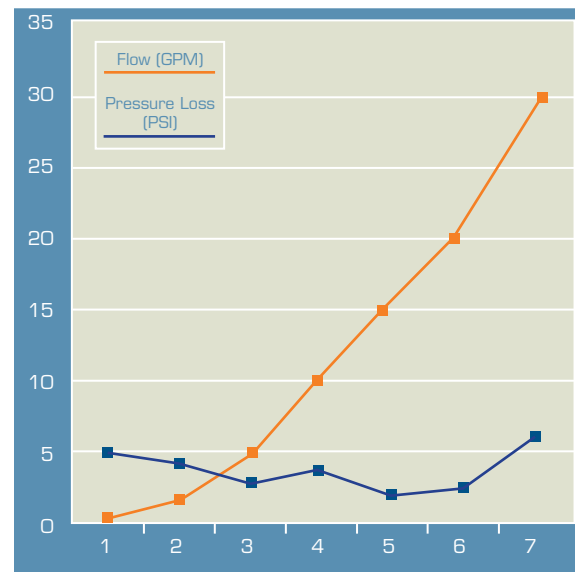
### INSTALLATION SPECIFICATION DETAIL



### HRJ 100 CUTAWAY



### HRJ 100 PRESSURE LOSS



02001-36 Rev F