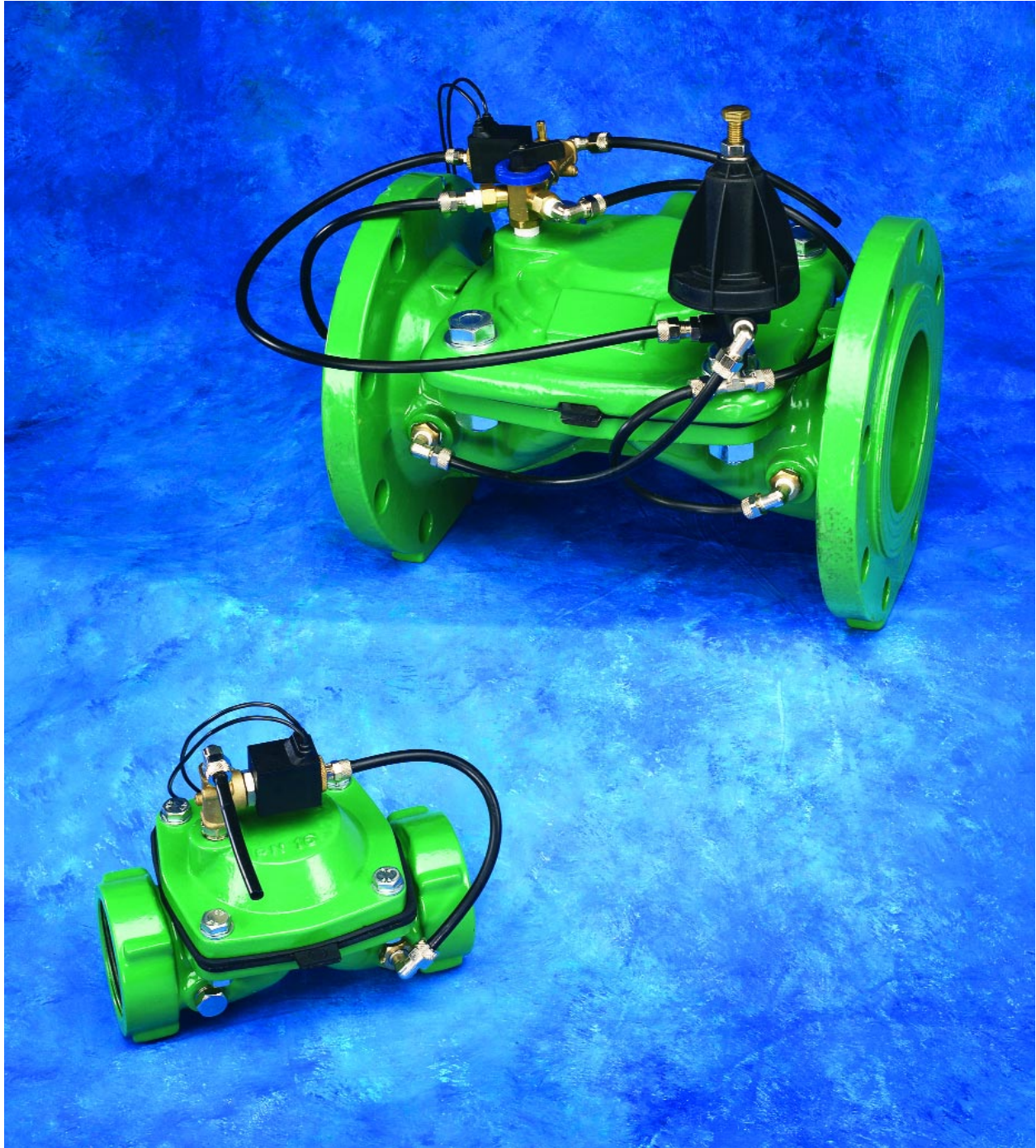




Agricultural Valves





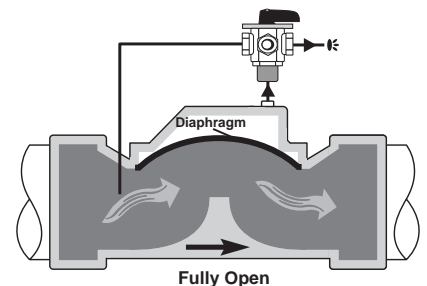
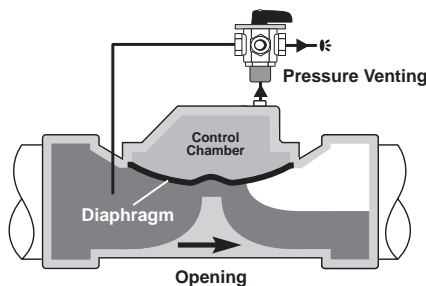
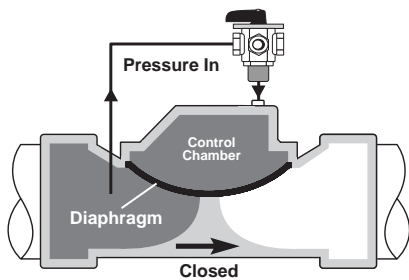
Agricultural Valves



Shown with Rain Bird® CYCLIK™ battery-operated controller

Rain Bird's Cast Iron Valves, designed specifically for agricultural applications, combine high quality, affordability, ease of installation and durable construction. These features, together with the support of the industry's most capable dealer network, will assure years of reliable, trouble-free operation.

These valves are designed with a large water passage, which results in low pressure losses. They are coated with a baked-on polyester epoxy coating that protects against corrosion. Valves that are 3" in diameter and larger feature a unique cover design to avoid damaging the diaphragm if the bolts are over tightened. Basic valve bodies can be equipped with a variety of control options to fit different operating conditions encountered in irrigation systems. These options include remote hydraulic control, electric solenoid control, pressure reducing, pressure sustaining, pressure relief and combinations of the above.

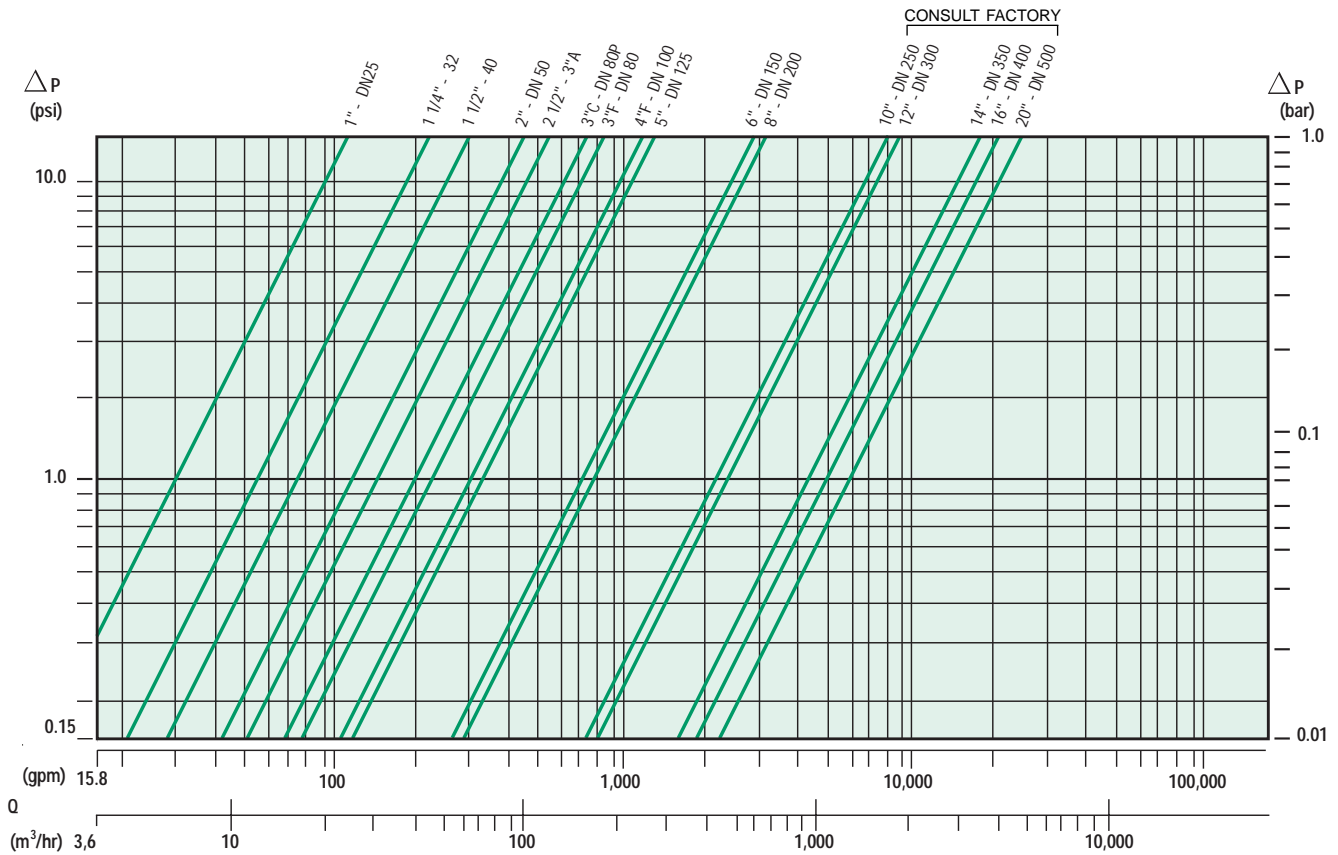




Specifications

Pressure Loss vs. Flow Rate

The table below is based on laboratory conditions for valves that are completely open, and should be used as a general guide. Contact your Rain Bird dealer for a specific valve selection based on project conditions.



Flow Range Table - U.S.

DIA.	Connection	MIN	NOMINAL	MAX	CV
		gpm	gpm	gpm	gpm
1"	NPT, BSP	0.4	40	53	30
1 1/2"	NPT, BSP	4	132	176	71
2"	NPT, BSP, VIC	13	221	265	113
3"C	NPT, BSP, Flange, VIC	18	353	419	174
4"	NPT, BSP, Flange, VIC	44	662	838	285
6"	Flange	110	1544	1764	682
8"	Flange	154	1588	1852	761

CV = Flow rate in gpm that creates a pressure drop of 1 psi.

Flow Range Table - Metric

DIA.	Connection	MIN	NOMINAL	MAX	KV
		m ³ /h	m ³ /h	m ³ /h	m ³ /h
1" (DN25)	NPT, BSP	0,1	9	12	22
1 1/2" (DN40)	NPT, BSP	1	30	40	65
2" (DN50)	NPT, BSP, VIC	3	50	60	100
3"C (DN80P)	NPT, BSP, Flange, VIC	4	80	95	160
4" (DN100)	NPT, BSP, Flange, VIC	10	150	190	250
6" (DN150)	Flange	25	350	400	620
8" (DN200)	Flange	35	360	420	640

KV = Flow rate in m³/h that creates a pressure drop of 1 bar.

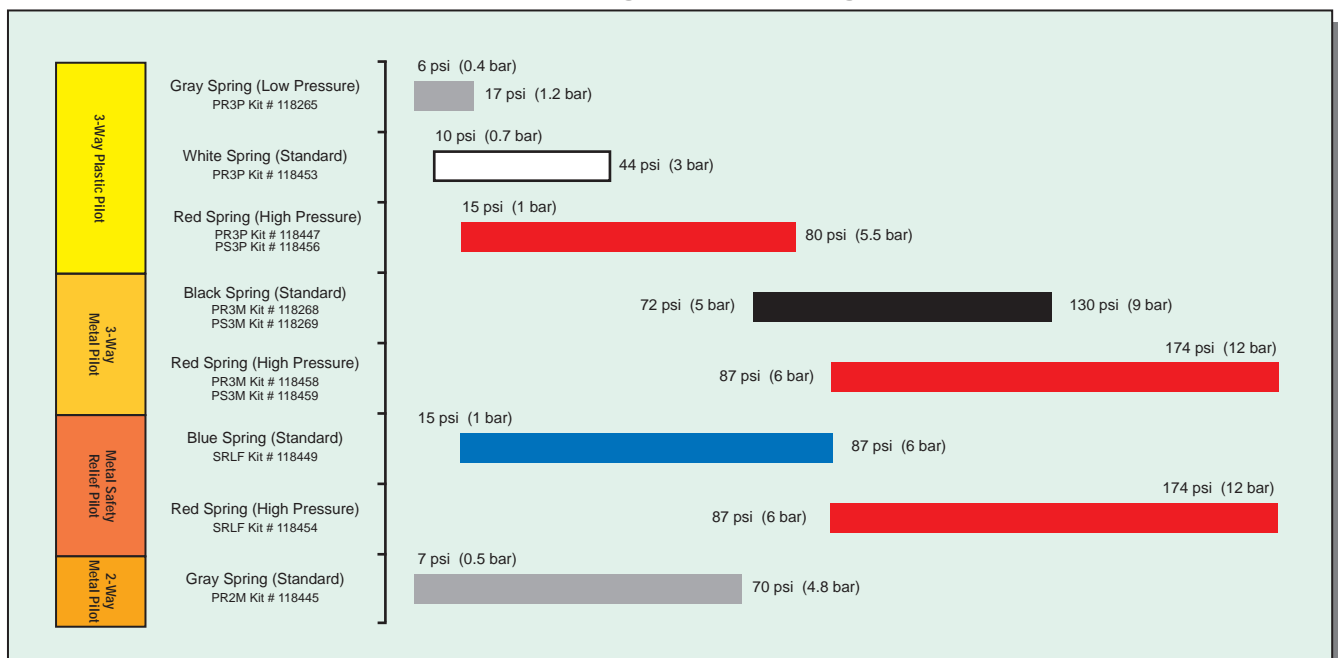
Based on laboratory conditions for valves that are completely open. The maximum flow rate is lower when a pilot is used for pressure control. Contact your Rain Bird dealer for a specific valve selection based on project conditions.



Features and Benefits

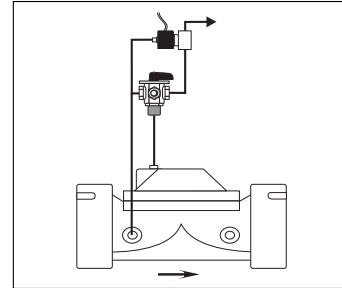
Features	Benefits
Durable Cast Iron body with polyester epoxy coating	Long life and suitable for high pressure
Large internal water passage	Low pressure loss for lowest operating cost
Top-serviceable allows valve cleaning or diaphragm replacement without removing the valve from the line	Saves labor and makes valve service much more practical
Works with AC solenoids or with latching solenoids and the Rain Bird Cyclik controller	Automatic control saves labor cost and saves water through accurate irrigation scheduling
Natural rubber diaphragm with type 304 stainless steel valve spring	Few moving parts made of highest quality, chemical-resistant materials for highest reliability
Unique cover design on valves that are 3 inch and larger	Avoids damage to the diaphragm if bolts are over-tightened
Self-cleaning internal strainer	Keeps pilot and solenoid ports clean for highest reliability
Slow, gradual opening and closing speed	Avoids potentially damaging water hammer to pipes and irrigation components
External tubing in copper is available as an option on all models	Added protection against damage to external tubing
Wide range of pressure control pilots available (see below)	Accurate pressure regulation improves irrigation uniformity

Pilot Spring Pressure Range



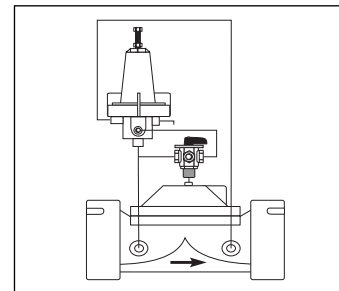
Agricultural Valves

EL3W Solenoid Control Valve
with 3-Way Manual Selector



Combines manual and electric operation for greater flexibility. Specify solenoid type when ordering.

PR3P Pressure Reducing Valve
with 3-Way Plastic Pilot



3-Way plastic pilot with adjustment range of:

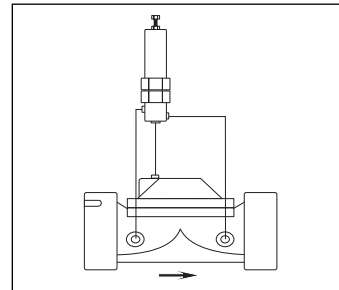
- 6 to 17 psi (0.4 to 1.2 bar)
- 10 to 44 psi (0.7 to 3 bar)
- 15 to 80 psi (1 to 5.5 bar)

Maximum reduction rate: 4:1.
Includes 3-Way Selector.
Valve can be solenoid equipped.
Specify solenoid type when ordering.

Agricultural Valves

SRLF

**Quick Relief Safety Valve
with Metal Pilot**



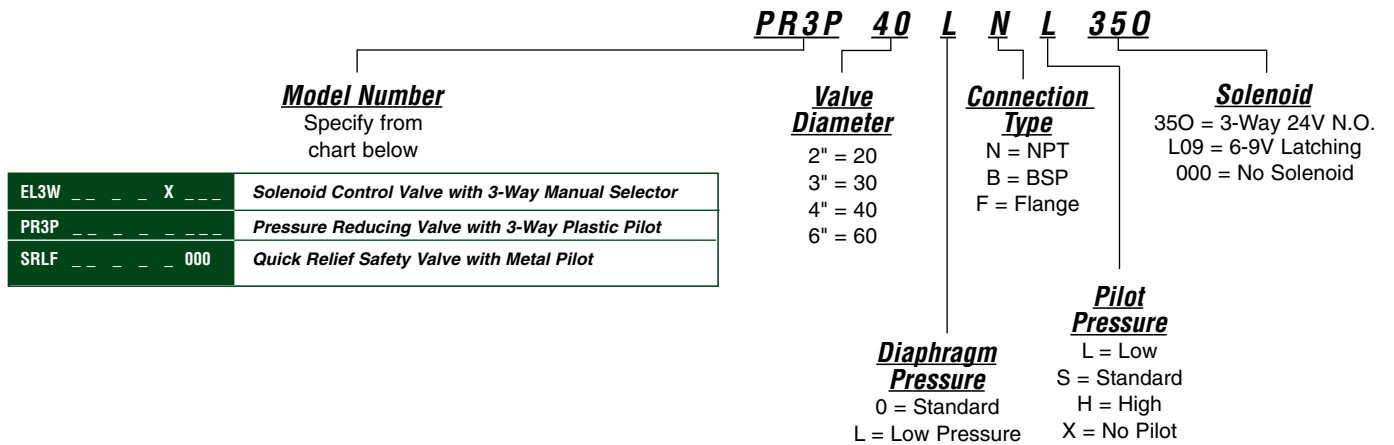
Quick relief metal pilot with
adjustment range of:

- 15 to 87 psi (1 to 6 bar)
- 87 to 174 psi (6 to 12 bar)



Order Information

How to Order:



Example: 4 inch pressure reducing valve with a low pressure diaphragm, NPT thread, low pressure plastic pilot, and 3-Way, 24 Volt normally open solenoid.

www.rainbird.com/ag



Rain Bird Corporation
Agri-Products Division
633 W. Foothill Blvd.
Glendora, CA 91741-2469
Phone: (800) 435-5624
Fax: (626) 852-7310

www.rainbird.com
Rain Bird. The Intelligent Use of Water™

® Registered Trademark of Rain Bird Corporation
© 2004 Rain Bird Corporation 8/04

Rain Bird International, Inc.
145 North Grand Avenue
Glendora, CA 91741-2469
Phone: (626) 963-9311
Fax: (626) 963-4287

PN L358