



# H2O Rx

## ECOValve—Back Pressure and Pressure Relief Valves



- ◆ Available in PVC, CPVC, PVDF, Polypropylene and 316L S/S
- ◆ Long life single sealing diaphragm (laminated PTFE, Viton, EPDM or PVC).
- ◆ Field adjustable pressure setting from 48 to 1034 kPa.
- ◆ CPVC bonnet for higher temperature and chemical resistance rating.

H2O Rx

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ECOValve

# ECOValve—Back Pressure and Pressure Relief Valves

## Functional Description:

### Back Pressure / Pressure Sustaining / Anti Siphon

ECO Valve is a diaphragm style two port back pressure/pressure sustaining valve designed to provide and control a continuous pressure on the discharge side of a positive discharge style pump, such as a metering pump. ECO Valve assists with the proper seating of the valve check assembly and accurate filling of the pump housing chamber for a more efficient and accurate running pump. (Factory set @ 345kPa)

### Pressure Relief

ECO Valve is also designed to be used as a 2 port off line pressure relief valve to help protect the discharge side of positive displacement pumps from system failure due to over pressure caused by a blockage or accidental valve closure on the downstream side of the pump. (Factory set @ 345kPa)

### Features:

- ◆ No moving parts in wetted chamber — superior choice for “dirty” fluid applications.
- ◆ High flow with low pressure drop.
- ◆ Body rated to 1000 kPa @ 20 deg C — Ask us for a derating chart.
- ◆ Field adjustable pressure setting from 50 to 1000 kPa
- ◆ Optional diaphragm materials.
- ◆ Sizes from DN 8 to DN 100.
- ◆ Fewer moving parts than other valves.
- ◆ High ambient temperature range.
- ◆ Gauge port available.
- ◆ Ideal for chemical dosing applications.
- ◆ Designed for long life and ease of maintenance.
- ◆ Standard end connections as ANSI 150# or Union with BSPF or Solvent Weld Sockets.
- ◆ Other end connections available on request.
- ◆ 3 year warranty.
- ◆ CAD drawings available on request.

# ECOValve—Back Pressure and Pressure Relief Valves

**ECO** - ECO Series Back Pressure and Pressure Relief Valves

Size Code	Description
25	DN8
38	DN10
50	DN15
55	DN15*
75	DN20
100	DN25
110	DN25*
125	DN32
150	DN40
200	DN50
220	DN50*
300	DN80
400	DN100

\* = Is for high flow model

**Connections Code** Description

E	ANSI 150#
H	Union BSPF
I	Union Socket
	Other connections available on request
	Union connections available on plastic models only
	O-Rings on union connections are Viton. Teflon and EPDM are available on request.

**Body Material Code** Description

PVC	Polyvinylchloride
PP	Polypropylene
PVDF	Kynar
CPVC	Corzan
S/S	316 S/S

**Diaphragm Material Code** Description

P	PVC
T	Teflon backed EPDM
E	EPDM
V	Viton

PVC standard on PVC body valves. Teflon backed EPDM standard on others.

ECO — 75 I — PVC — P = 20 NB Union sockets in PVC