



H2O Rx

ECO VALVE Back Pressure / Pressure Relief Valves



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



Distributor of ECO Valve in Australia and New Zealand

ABN: 97 217 924 685 | PO Box 748, Lane Cove NSW 1595 | Literature Request: ECO Valve
Email: info@h2orx.com.au | Phone: 0409 784 236 | Fax: (02) 9436 0491 | Web: www.h2orx.com.au



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ECO VALVE Back Pressure / 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)



**Union Style with BSPF
or Solvent Weld**

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)



Flanged (ANSI 150#)

Features:

- » No moving parts in wetted chamber — superior choice for “dirty” fluid applications.
- » High flow with low pressure drop.
- » Body rated 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.



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Ordering Codes

*Back Pressure /
Pressure Relief
Valves*

Body Material : Code

Polyvinylchloride : PVC

Polypropylene : PP

Kynar : PVDF

Corzan : CPVC

316 S/S : S/S

Options

*Gauge port—
available on request*

ECO - 50A - PVC - P -

Size : Code

DN8 : 25

DN10 : 38

DN15 : 50

DN15 : 55*

DN20 : 75

DN25 : 100

DN25 : 110*

DN32 : 125

DN40 : 150

DN50 : 200

DN50 : 220*

DN80 : 300

DN100 : 400

** Is for High
Flow model*

Connections : Code

ANSI 150# : E

Union BSPF : H

Union Socket : I

- » 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.

Diaphragm Material : Code

PVC : P

Teflon backed EPDM : T

EPDM : E

Viton : V

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



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