



- Direct acting valve for low pressure use
- Wet or dry armature construction
- 1/4" BSP male or hose tail connections
- Faston or flying lead electrical connections

Description

An extremely versatile and cost effective 2/2 normally closed solenoid valve for use on water or other media compatible with materials of construction.

Characteristics

Material

Valve body:	Glass filled nylon (Fibreglass Polyamide)
Valve body colour:	Natural white
Seal:	Buna or Silicone
Armature:	Stainless steel



Operating characteristics

At pressure over 0.5 bar the base port should be used as the inlet and the side port as the outlet.

Maximum static inlet pressure (into base port)	3.5 bar	(2.0 mm orifice)
Minimum pressure	0 bar	
Maximum ambient temperature:	40°C	
Maximum media temperature:	75°C	
Mounting Position:	Any (preferred position upright with coil at top)	
Orifice size:	2, 3, 6 mm	

Electrical characteristics

Connector:	Faston tags
	Flying leads or cable
Protection:	IPX0 (with faston) IP65 with leads or cable
Windings:	Class F
Insulation class:	Class II

Coil Marking	12V ac/dc	
Nominal voltage:	12V ac	12V dc
Voltage tolerance:	-15%, +10% (Tf>70°C)	
Nominal frequency:	50 - 60 Hz	
Nominal current:	360 mA	700mA
Nominal power:	4.3VA	8.4W

Coil Marking	12V dc
Nominal voltage:	12V dc
Voltage tolerance:	-15%, +10% (Tf>70°C)
Nominal current:	450 mA
Nominal power:	5.4W

Nominal voltage:	24V ac
Voltage tolerance:	-15%, +10% (Tf>70°C)
Nominal frequency:	50 - 60 Hz
Nominal current:	295 mA
Nominal power:	7VA

Coil Marking	24V dc
Nominal voltage:	24V dc
Voltage tolerance:	-15%, +10% (Tf>70°C)
Nominal current:	355 mA
Nominal power:	8.5W

Nominal voltage:	110V ac
Voltage tolerance:	-15%, +10% (Tf>70°C)
Nominal frequency:	50 - 60 Hz
Nominal current:	65 mA
Nominal power:	7.1VA

Nominal voltage:	230V ac
Voltage tolerance:	-15%, +10% (Tf>70°C)
Nominal frequency:	50 - 60 Hz
Nominal current:	32.5 mA
Nominal power:	7.53VA

Dimensions

Approximate dimensions

Height	74 mm
Length	46 mm
Width	35 mm

Series 800

Solenoid Valve

Ordering guide

803

C

30

A

Z

24VDC

Nominal voltage	
12V	AC/DC
24V	AC/DC
110V	AC
230V	AC

Electrical connections *	
Code	Description
M	300 mm cable
N	2.1 m cable
O	1 m cable
Z	Faston

Seal Material	
Code	Description
A	NBR
E	Silicone

Valve Orifice Size	
20	2 mm
30	3 mm
60	6 mm

Code	Construction	
A	Dry armature	Flying leads
B	Wet armature	
C	Dry armature	Faston
D	Wet armature	
E	Dry armature	Cable
F	Wet armature	

Code	Port connections
803	1/4" BSP male, inlet & outlet
805	1/4" BSP male inlet - 12 mm hosetail outlet
806	12 mm hosetail, inlet & outlet

Specification subject to change, E&OE. 26.01.2004

Beta Valve

Tel: 01494 459511

BETA VALVE SYSTEMS LTD
PARK HOUSE BUSINESS CENTRE
DESBOROUGH PARK ROAD
HIGH WYCOMBE, BUCKS. HP12 3DJ

Fax: 01494 461136
Email: sales@betavalve.com
www.betavalve.co.uk