

# ATKOMATIC

## 15800 Series

Stainless Steel, Semi-direct Lift, Pressure 0 to 1500 psig (104 bar)  
Medium Pressure Valve Configurable for Variety of Fluid Applications



### Features

- Stainless steel construction on all wetted parts: 316 for barstock parts and CF8M for cast parts.
- Plunger material is 416 stainless that is treated for increased corrosion resistance
- Semi-direct lift action for operation down to zero pressure differential
- Normally closed operation
- Operation up to 1500 psi (104 bar)
- Media temperatures from  $-423^{\circ}\text{F}$  to  $+500^{\circ}\text{F}$  ( $-253^{\circ}\text{C}$  to  $+260^{\circ}\text{C}$ )
- Will handle fluids with viscosity up to 150 SUS
- Suitable for use with wide variety of fluid including: air, gasses, liquids, hydraulic fluids, steam, cryogenic fluids, and corrosive fluids
- Optional pilot and piston seat materials of Teflon®, PCTFE, Buna N, Viton®, EPR, or 316 stainless steel depending on fluid type and pressure
- Body seal materials of Teflon®, Viton®, Buna N, or EPR
- Pipe sizes from  $\frac{1}{4}$ " through 1" NPT
- British BSPT ports are available
- Full ported valves: Cv from 1.1 through 12.5
- Removable 316 stainless steel body inserts (stainless steel trim)
- Class H coils standard
- Coil housings available in NEMA 1 (standard), NEMA 4 (waterproof), NEMA 7 (explosion-proof for hazardous locations), and combination NEMA 4 & 7
- Manual opening device is available as an option
- Valve position indicator option is available

### Operational Pressures (No minimum pressure differential)

GASES		LIQUIDS TO 40 SUS		LIQUIDS OVER 40 SUS		STEAM	
AC	DC	AC	DC	AC	DC	AC	DC
1500 / 104 bar	1500 / 104 bar	1500 / 104 bar	1000 / 69 bar	1500 / 104 bar	1000 / 69 bar	200 / 14 bar	200 / 14 bar

Note: Buna N, Viton® and EPR seats are limited to 500 psi.

### Circle Seal Controls

2301 Wardlow Circle • P.O. Box 3300 • Corona, CA 92880

Phone (951) 270-6200 Fax (951) 270-6201

www.circlesealcontrols.com • am\_sales@circlesealcontrols.com • ind\_sales@circlesealcontrols.com

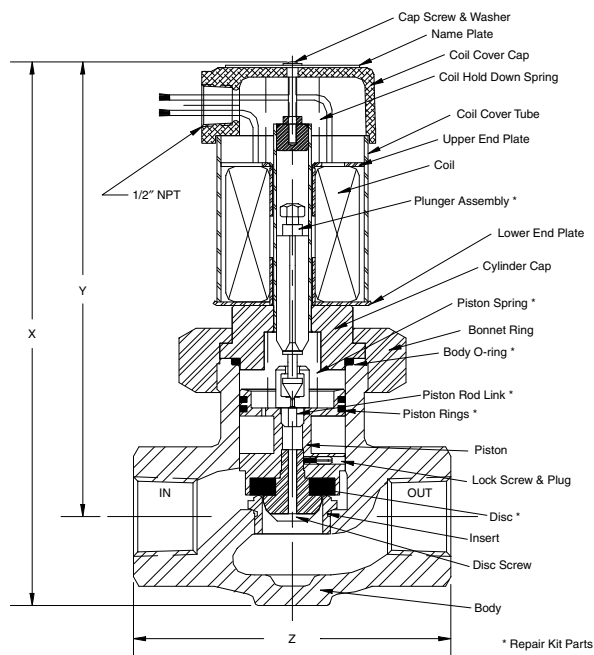
atkomatic solenoid

# 15800 Series

## Dimensions, Shipping Weights, and Cv Flow Factors

### 15800 Series Normally Closed Stainless Steel

CATALOG NUM. PREFIX	PIPE SIZE	MAIN SEAT ORIFICE	X	Y	Z	SHIPPING WEIGHT (lbs)	Cv
15800	1/4"	3/8"	7 3/8"	6 1/2"	3"	7	1.1
15810	3/8"	3/8"	7 3/8"	6 1/2"	3"	7	2.5
15820	1/2"	3/4"	8 1/4"	7 1/8"	4 3/8"	9	5.1
15830	3/4"	3/4"	8 1/4"	7 1/8"	4 5/8"	9	7.5
15840	1"	1"	9 3/8"	7 1/2"	5 1/4"	15	12.5



15840 1" valve, shown with a NEMA 1 coil housing and a metal pilot seat

## How to Order

**PED158** *X* **0** *X* - *X* *X* **H** *X* *X* *X* *X* *X* *X* *X*

### PED CERTIFICATION

(optional, otherwise blank)

### CONNECTION SIZE

- 0** 1/4" pipe      **1** 3/8" pipe
- 2** 1/2" pipe      **3** 3/4" pipe
- 4** 1" pipe        **5** 1 1/4" pipe
- 6** 1 1/2" pipe

### VOLTAGE AC/60 Hz

- 0** AC/50 Hz or DC voltage
- 1** 24 VAC        **2** 100 VAC
- 3** 115 VAC      **4** 200 VAC
- 5** 230 VAC      **6** 460 VAC

### VOLTAGE AC/50 Hz

- 0** AC/60 Hz or DC voltage
- 1** 24 VAC        **2** 110 VAC
- 3** 220 VAC      **4** 380 VAC

### VOLTAGE DC

- 0** AC voltage
- 1** 12 VDC        **2** 24 VDC
- 3** 32 VDC        **4** 72 VDC
- 5** 125 VDC      **6** 250 VDC

### CONNECTION TYPE

- P** NPT            **J** British pipe thread

### MAX. OPERATING PRESSURE (psig)

- A** 100      **E** 250      **I** 700
- B** 125      **F** 300      **J** 1000
- C** 150      **G** 350      **K** 1,200
- D** 200      **H** 500      **L** 1500

### OPTIONS

- P** Position indicator
- M** Manual opening

### COIL HOUSING

- A** ATEX approved coil housing
- E** Explosion-proof
- S** Standard
- W** Waterproof
- C** Combined water- & explosion-proof

### FLUID MEDIA TYPE

- 1** Gas                      **4** Steam
- 2** Liquid up to 40 SUS      **5** Cryogenic
- 3** Liquid from 41 SUS to 150 SUS

### SEAL MATERIAL

- A** Teflon®              **B** Buna N
- C** Viton®              **D** EPR

### SEAT/PILOT MATERIAL

- A** TFE pilot & TFE disc
- B** Buna N pilot & Buna N disc
- C** Viton® pilot & Viton® disc
- D** EPR pilot & EPR disc
- E** PCTFE pilot & PCTFE disc
- F** Metal pilot & metal disc
- G** Metal pilot & TFE disc
- H** Metal pilot & Buna N disc
- I** Metal pilot & Viton® disc
- J** Metal pilot & EPR disc
- K** Metal pilot & PCTFE disc

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Teflon® is a registered trademark of DuPont.