

# ATKOMATIC

## 30400 Series

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



### Features

- |  |   |
|--|---|
| • Semi-direct lift action for operation down to zero pressure differential   | • Removable 316 stainless steel body inserts (stainless steel trim)   |
| • Operation up to 1500 psig (104 bar)  | • Available in normally closed configuration from ¼" to 3" NPT ports  |
| • Media temperatures from -423° F to +500° F (-253° C to +260° C)  | • Available in normally open configuration from ¼" to 1½" NPT ports   |
| • Will handle fluids with viscosity up to 150 SUS  | • British BSPT ports available  |
| • Bronze valve material (naval M bronze)   | • Full ported valves  |
| • Suitable for use with wide variety of fluid including: air, gasses, liquids, hydraulic fluids, steam, cryogenic fluids, and fluids not harmful to bronze           | • Normally closed Cv from 2.7 to 71   |
| • Heaviest duty and most rugged construction   | • Normally open Cv from 2.7 to 21   |
| • Optional seat materials of Teflon®, PCTFE, Buna N, Viton®, EPR, or metal (316 stainless steel pilot and/or brass piston seat) depending on fluid type and pressure | • Class H coils are standard  |
| • Body seal materials of Teflon®, Viton®, Buna N, or EPR   | • Coil housings available in NEMA 1 (standard), NEMA 4 (waterproof), NEMA 7 (explosion-proof for hazardous locations), and combination NEMA 4 & 7 |
|  | • Manual opening and throttling devices are available as options (requires aluminum piston on 2½" & 3")   |
|  | • Valve position indicator option is available  |

### Circle Seal Controls

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atkomatic solenoid

# 30400 Series

## Operational Pressures (No minimum pressure differential)

Normally closed, 1/4"– 1 1/2"

GASES		LIQUIDS TO 40 SUS		LIQUIDS OVER 40 SUS		STEAM	
AC	DC	AC	DC	AC	DC	AC	DC
1500	1000	1500	1000	1500	1000	200	200

Normally closed, 2"–3"

GASES		LIQUIDS TO 40 SUS		LIQUIDS OVER 40 SUS		STEAM	
AC	DC	AC	DC	AC	DC	AC	DC
500	500	500	350	500	350	200	100

Normally open, 1/4"– 1 1/2"

GASES		LIQUIDS TO 40 SUS		LIQUIDS OVER 40 SUS		STEAM	
AC	DC	AC	DC	AC	DC	AC	DC
1500	1500	1500	1500	1500	1,250	200	200

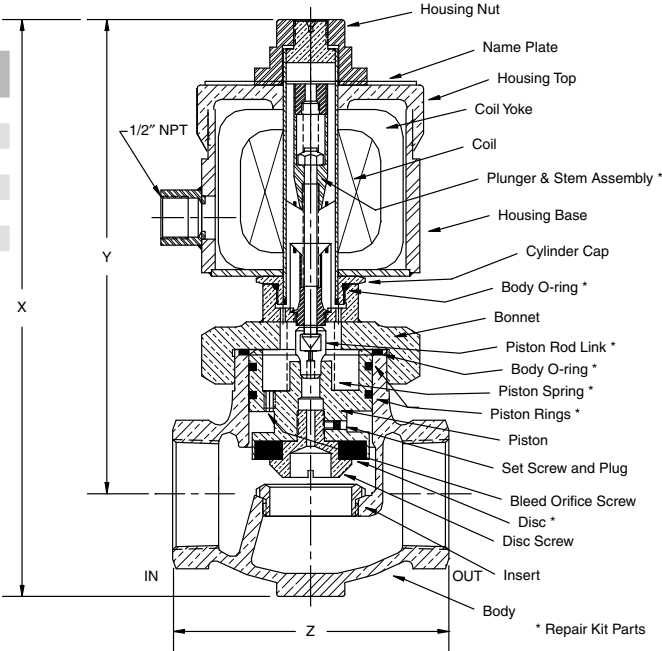
NOTE 1: Normally open valves are rated for intermittent duty only on 30000 Series valves and are not recommended for cryogenic service above 50 psig.

NOTE 2: Buna N, Viton® and EPR seats are limited to 500 psig (34.5 barg).

## Dimensions, Shipping Weights, and Cv Flow Factors

### 30400 Series Normally Open Bronze

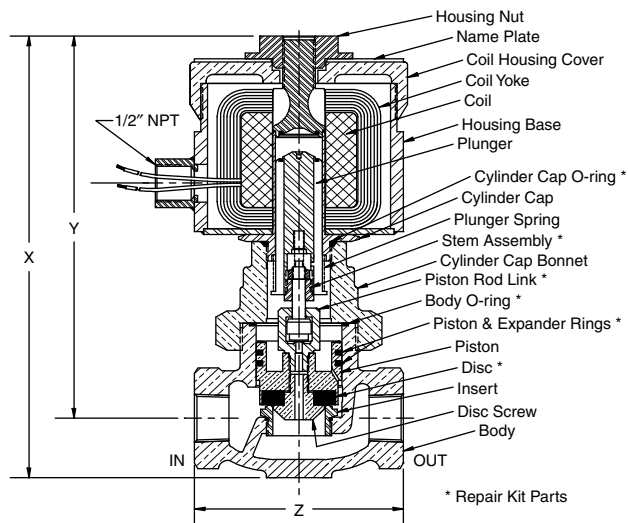
CATALOG NUM. PREFIX	PIPE SIZE	MAIN SEAT ORIFICE	X	Y	Z	SHIPPING WEIGHT (lbs)	Cv
32400	1/4"	3/8"	8 3/8"	7 3/4"	2 11/16"	10	1.4
32410	3/8"	3/8"	8 3/8"	7 3/4"	2 11/16"	10	2.7
32420	1/2"	1/2"	8 3/4"	7 13/16"	3"	10	3.5
32430	3/4"	1"	9 3/8"	8 1/16"	4"	12	8.4
32440	1"	1"	9 3/8"	8 1/16"	4"	12	9.5
32450	1 1/4"	1 1/2"	10 1/2"	8 3/8"	5 1/16"	26	19.5
32460	1 1/2"	1 1/2"	10 1/2"	8 3/8"	5 1/16"	26	21.0



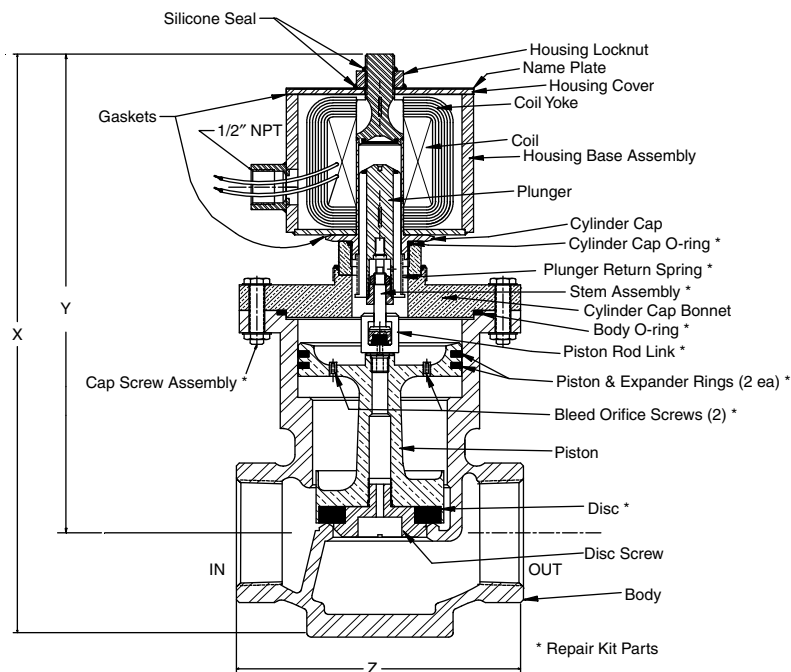
Normally open 1 1/2" 32460 valve, shown with explosion-proof NEMA 7 coil, housing and AC coil.

# 30400 Series

## Dimensions, Shipping Weights, and Cv Flow Factors



Normally closed 1" 31440 valve,  
shown with explosion-proof NEMA 7 coil. Housing an AC coil, and a soft  
pilot seat.



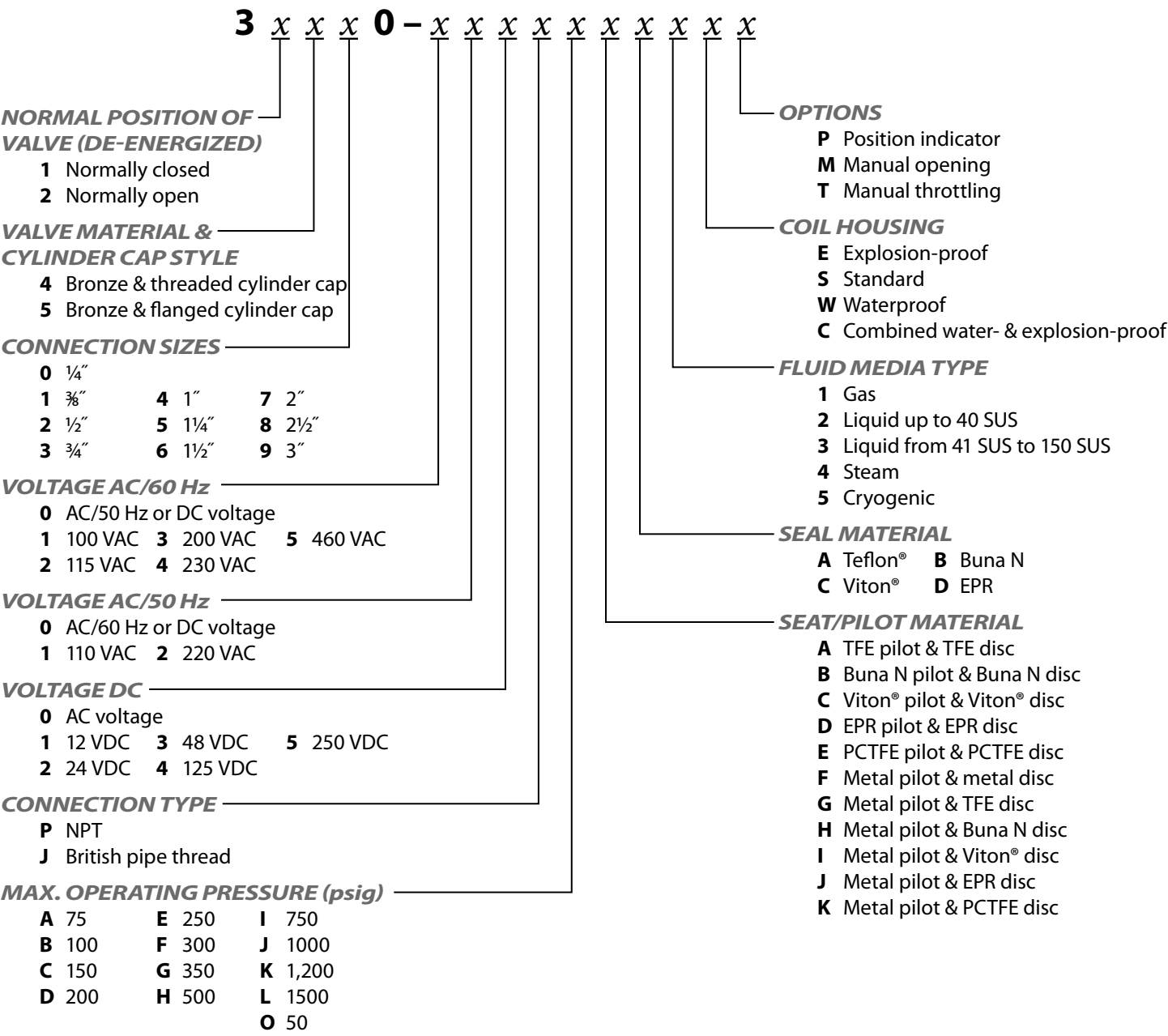
Normally closed 2" 31570 valve,  
shown with NEMA 4 coil. Housing an AC coil, and a soft pilot seat.

### 30400 Series Normally Closed Bronze

CATALOG NUM. PREFIX	PIPE SIZE	MAIN SEAT ORIFICE	X	Y	Z	SHIPPING WEIGHT (lbs)	Cv
31400	1/4"	3/8"	7 7/8"	7"	2 1/16"	10	1.4
31410	3/8"	3/8"	7 7/8"	7"	2 1/16"	10	2.7
31420	1/2"	1/2"	8"	7 1/8"	3"	10	3.5
31430	3/4"	1"	8 5/8"	7 3/8"	4"	12	8.4
31440	1"	1"	8 5/8"	7 3/8"	4"	12	9.5
31450	1 1/4"	1 1/2"	10 5/8"	8 1/4"	5 1/16"	26	19.5
31460	1 1/2"	1 1/2"	10 5/8"	8 1/4"	5 1/16"	26	21.0
31570	2"	2"	13 3/16"	10 5/16"	6 1/8"	38	43.0
31580	2 1/2"	3"	14 1/4"	10 3/8"	8 1/2"	76	63.0
31590	3"	3"	14 1/4"	10 3/8"	8 1/2"	76	71.0

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## How to Order



Viton® is a registered trademark of DuPont Dow Elastomers.  
Teflon® is a registered trademark of DuPont.