

Manual Reset Valves

Brass or Stainless Steel Bodies • 1/4" to 1" NPT

Features

- High flow/high-pressure bodies with manual reset to prevent inadvertent valve start-up
- Once tripped, can only be manually reset
- Electrically Tripped (trips when energized), No Voltage Release (trips when de-energized), or Free Handle constructions
- Available for Latched Open or Latched Closed operation
- Ideal for controlling critical processes
- Some constructions can control aggressive fluids, including steam
- Intrinsically Safe constructions are available

Construction

Valve Parts in Contact with Fluids							
Body	Brass	Stainless Steel					
Stem	303 Stainless Steel						
Springs	302 Stainless Steel						
Pilot Seat Cartridge	CA (when listed)						
Disc, Diaphragm, Seat	NBR, PA, PTFE, or Sta	ainless Steel, as listed					

Electrical

Standard	Watt R	ating and	Spare Coil				
Coil and			Α	C	Part Number		
Class of			VA				
Insulation	DC Watts	Watts	Holding	VA Inrush	AC	DC	
F	-	20	45	96	99257	-	
Н	36.2	-	-	-	-	222184	

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz. 6, 12, 24, 120, 240 volts DC. Must be specified when ordering. Other voltages are available when required.

Notes: 125 and 250 volts DC are battery voltages applied in power plants. Special valves are available to pilot control valves in power plants.

Consult your local ASCO sales office for a listing.

Solenoid Enclosures

Standard: RedHat metal solenoid enclosure. Type 1 General Purpose Junction Box.

Optional: Explosionproof and Watertight, Types 3, 7 (C and D), and 9.

(To order, add prefix "EF" to catalog number.)

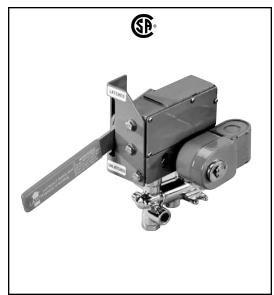
See Optional Features Section for other available options.

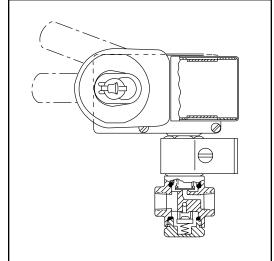
Nominal Ambient Temp. Ranges

AC: -20°F to 104°F (-29°C to 40°C) DC: -20°F to 77°F (-29°C to 25°C) Refer to Engineering Section for details.

Approvals

CSA certified. Some constructions meet shock and vibration ISA S71.03C2. *Refer to Engineering Section for details.*





Operation Alternatives

Electrically Tripped – Valves move to latched position when the solenoid is de-energized, trips when they receive a continuous or momentary (at least 0.3 seconds) electrical signal. When tripped, they can be manually cycled open/closed, but must be reset when the solenoid has once again been de-energized.

No Voltage Release – Valves move to latched position when the solenoid is energized, trips when de-energized. When tripped, they can be manually cycled open/closed, but must be reset when the solenoid has once again been energized.

Free Handle – Valves move to latched position when the solenoid is energized, trips when de-energized. They cannot be manally cycled open/closed when de-energized. They can be manually cycled open/closed or reset only when energized.



Specifications (English units)

Pipe Size	Orifice Size	Cv Flow		erating Pre		Max. Fluid Temp. °F		No Voltage Release	Electrically Tripped	Const.	Flow	Watt Rating/ Class of Coil Insulation	
(ins.)	(ins.)	Factor	Min.	Max. AC	Max.DC	AC	DC	Catalog Number	Catalog Number	Ref.	Diagram	AC	DC
UNIVERSAL OPERATION (Except as Noted ①), Brass Body with NBR Disc/Diaphragm (CA Pilot Cartridge) for													
Air-Inert Gas and Water. This group of valves meets shock and vibration ISA \$71.03C2.													
1/4	11/64	.38	0	125	125	180	180	8308B040	8310B040	1	В	20/F	36.2/H
3/8	5/8	3	10	250	250	180	180	8308C041 ① ②	8310C041 ① ②	2	С	20/F	36.2/H
1/2	5/8	4	10	250	250	180	180	8308C042 ① ②	8310C042 ① ②	2	С	20/F	36.2/H
3/4	11/16	5.5	10	250	250	180	180	8308C043 ① ②	8310C043 ① ②	3	С	20/F	36.2/H
1	1	13	10	125	125	180	180	8308A050 ① ②	8310A050 ① ②	8	С	20/F	36.2/H
UNIVERSAL OPERATION, Brass Body with Stainless Steel Seats and Discs for Air-Inert Gas, Water and Light Oil													
1/4	1/4	.45	0	125	125	200	200	8308044	8310044	4	Α	20/F	36.2/H
3/8	1/4	.45	0	125	125	200	200	8308045	8310045	4	Α	20/F	36.2/H
1/2	5/16	.75	0	125	125	200	200	8308046	8310046	5	Α	20/F	36.2/H
UNIVER		,	rass Bo					Gas, Water and Light C					
1/4	1/4	.39	0	125	125	180	180	8308044R	8310044R	4	Α	20/F	36.2/H
3/8	1/4	.39	0	125	125	180	180	8308045R	8310045R	4	Α	20/F	36.2/H
1/2	5/16	.53	0	125	125	180	180	8308046R	8310046R	5	Α	20/F	36.2/H
					with FKM [
1/4	1/8	.21	0	125	125	180	180	8308A011	8310A011	1	В	20/F	36.2/H
			tainless					Discs for Corrosive Serv					
1/2	5/16	.75	0	125	125	200	200	8308047	8310047	5	Α	20/F	36.2/H
								andle Construction					
_					Discs for A								
1/4	11/64	.38	0	125	125	180	180 8037014			6	D	20/F	36.2/H
				•				ert Gas, Water and Ligh					
1/4	3/16	.70	0	125	125	160	160	8037A008 ①		7	E	20/F	36.2/H
3/8	3/16	.70	0	125	125	160	160 8037A010 ①			7	E	20/F	36.2/H
UNIVERSAL OPERATION, Stainless Steel Body with FKM Discs for Air-Inert Gas and Water													
1/4									36.2/H				
① When ordering, specify suffix "F" for Normally Closed construction or Suffix "G" for Normally Open construction. ② Supplied with CA pilot cartridge.													

Specifications (Metric units)

Pipe Size	Orifice Size	Kv Flow Factor		perating Pre			. Fluid 1p. °C	No Voltage Release	Electrically Tripped	Const.	Flow	Watt Rating/ Class of Coil Insulation	
(ins.)	(mm)	(m3/h)	Min.	Max. AC	Max.DC	AC	DC	Catalog Number	Catalog Number	Ref.	Diagram	AC	DC
UNIVERSAL OPERATION (Except as Noted ①), Brass Body with NBR Disc/Diaphragm (CA Pilot Cartridge) for													
Air-Inert Gas and Water. This group of valves meets shock and vibration ISA S71.03C2.													
1/4	4	.33	0.0	9	9	82	82	8308B040	8310B040	1	В	20/F	36.2/H
3/8	16	2.57	0.7	17	17	82	82	8308C041 ① ②	8310C041 ① ②	2	С	20/F	36.2/H
1/2	16	3.43	0.7	17	17	82	82	8308C042 ① ②	8310C042 ① ②	2	С	20/F	36.2/H
3/4	17	4.71	0.7	17	17	82	82	8308C043 ① ②	8310C043 ① ②	3	С	20/F	36.2/H
1	25	11.14	0.7	9	9	82	82	8308A050 ① ②	8310A050 ① ②	8	С	20/F	36.2/H
UNIVERSAL OPERATION, Brass Body with Stainless Steel Seats and Discs for Air-Inert Gas, Water and Light Oil													
1/4	6	.39	0	9	9	93	93	8308044	8310044	4	Α	20/F	36.2/H
3/8	6	.39	0	9	9	93	93	8308045	8310045	4	Α	20/F	36.2/H
1/2	8	.64	0	9	9	93	93	8308046	8310046	5	Α	20/F	36.2/H
			rass Boo					Gas, Water and Light (
1/4	6	.33	0	9	9	82	82	8308044R	8310044R	4	А	20/F	36.2/H
3/8	6	.33	0	9	9	82	82	8308045R	8310045R	4	Α	20/F	36.2/H
1/2	8	.45	0	9	9	82	82	8308046R	8310046R	5	А	20/F	36.2/H
UNIVER	SAL OPE		tainless	Steel Body	with FKM D		r-Inert Gas	and Water					
1/4	8	.18	0	9	9	82	82	8308A011	8310A011	1	В	20/F	36.2/H
			tainless					Discs for Corrosive Serv					
1/2	8	.64	0	9	9	93	93	8308047	8310047	5	Α	20/F	36.2/H
								landle Construction					
UNIVER	SAL OPE	_ ,	rass Boo	dy with NBF	R Discs for A	ir-Inert Ga	s and Wate	er					
1/4	4	.33	0	9	9	82	82	803714		6	D	20/F	36.2/H
								ert Gas, Water and Ligh	t Oil				
1/4	5	.60	0	9	9	71	71	8037A008 ①		7	E	20/F	36.2/H
3/8	5	.60	0	9	9	71	71	8037A010 ①		7	E	20/F	36.2/H
					with FKM [
1/4	3	.18	0	9	9	82	82	803	37012	6	D	20/F	36.2/H



