AZCO®

Intrinsically Safe Valves

Brass, Aluminum, or Stainless Steel Bodies 1/4" to 1" NPT

Features

- Intrinsically safe solenoid enclosures to provide corrosion resistance in harsh environments
- Designed solely for installation in intrinsically safe areas, with properly approved and sized current and voltagelimiting safety barriers
- Acceptable for use in hazardous locations, as classified by the National Electrical Code: Classes I, II, and III, Division 1, including Groups A through G
- Electronically enhanced solenoids have efficient cartridge operators and nonpolarized coils
- Triple redundant diodes prevent electrical pulse from flowing back into the hazardous area
- Mountable in any position

Solenoid Operators

WBIS: Watertight, Type 3, 3S, 4, 4X, IP-67. Liquid Crystal Polymer (LCP) overmolded with 1/2" NPT conduit connection and screw terminals for simple wiring. The terminal block will accommodate 18 gage (AWG) wire, and grounding screw is located inside the enclosure.

ISSC: DIN 43650/ISO 4400, IP-65 Epoxy overmolded with Din Connector supplied, suitable to accept wiring cable diameters of 0.310 to 0.400 inches.

Solenoid Construction

Gasket Cover	NBR
Cover Screw	18-8 Stainless Steel
Cover Screw Gasket	NBR
Sleeve	430F Stainless Steel
Nameplate	Stainless Steel
Burp Cap Assembly	PA/CR

Valve Construction

Valve Parts in Cont	act with Fluids	1							
Body	Aluminum	Brass	Stainless Steel						
Seals and Discs	PUR, NBR, FKM, CR, as listed								
Sleeve	30	04L Stainless S	Steel						
Core and Plugnut	43	30F Stainless S	steel						
Core Springs	3	02 Stainless S	teel						
Pilot Seat Cartridge (Series 8316 & 8344 only)		CA							
Rider Rings		PTFE							
Spring Retainer	CA								

Electrical

Nominal Wattage is 0.35 @ 24 VDC

Maximum Allowable "Off" State Current to the Valves must be less than 1 mA.

Electronically Enhanced "IS" Solenoid:

Maximum Capacitor Charge Time — 1 second
Minimum Time between Cycles — 1 second
Minimum Drop Current to Reset Electronic Coil — 2 mA
Nominal Temperature Rise at 24 VDC and 300 0hms — 2°C (36°F)
Maximum Recommended Wire Run (#18 Wire) — 1.5 miles from barrier to valve
Important: Minimum series resistance of 200 ohms required in wiring
circuit if a safety barrier is not used for non-"IS" system. IS ValvesR5



Air and Inert Gas

Ordering Information

The LCP Intrinsically Safe solenoid enclosure is designated by the prefix "WBIS". The Epoxy Din Connector is ordered by prefix "ISSC".

Example: WBI\$8314A300 Spare Coil P/Ns WBI\$: 274445-001* ISSC: 268976-001*

Nominal Ambient Temp. Ranges

	7 41110101111 10	
Series	Body Material	Temperature Range
8551/8553	Aluminum	5°F to 140°F (-15°C to 60°C)
8262		
8314	Brass &	
8317	Stainless Steel	-40°F to 140°F (-40°C to 60°C)
8551		
8551/8553	Stainless Steel	
8316 Suffix V	Misc.	32°F to 140°F (0°C to 60°C)
All Other	WIISG.	-4°F to 140°F (-20°C to 60°C)

Approvals

FM approved under J.I.3W8A8. AX (3610). CSA certified under File LR-13976. ATEX EX II1G Ex ia IIC T6 approved IEC Ga Ex ia IIC T6 approved Meets applicable CE directives. Refer to Engineering Section for details.

Important

These solenoids are intended for use on clean, dry air or inert gas filtered to 50 micrometers or better. To prevent freezing, the dew point of the media should be at least 18°F (-8°C) below the minimum temperature to which any portion of the clean air or gas system could be exposed. Instrument air in compliance with ANSI/ISA Standard S7.3-1975 (R1981) exceeds the above requirements and is, therefore, an acceptable medium for these valves.

Maximum Entity Parameters

Entity	Groups A-D	Groups C-D
Parameters	V max - 30 VDC	V max - 34 VDC
	I max - 100 mA	I max - 125 mA
	Capacitance = 0	Capacitance = 0
	Inductance = 0	Inductance = 0

Standard Voltage: 24 VDC only (±10%)
Minimum Operating Current: 0.028 amps



Specifications (English units)

				Differen	Pressure tial (psi)		P Pdu		04-1-1 041	D. d.
Pipe	Orifice			Air-Ine	ert Gas		Brass Body		Stainless Steel	
Size (ins.)	Size (ins.)	Cv F		Min.	Max.	Max. Fluid and Ambient Temp. °F	Catalog Number	Const. Ref.	Catalog Number	Const. Ref.
1/4	1/16		18	0	150	140	WBIS8262A320	1	WBIS8262A386	1A
3/8	5/16	1.	-	10	150	140	WBIS8223A323	2	-	-
1/2	3/8	3.		25	150	140	WBIS8223A303	3	WBIS8223A310	3
3/2 VALVES	3/0	0.		20	130	140	WBIOOZZOAGOG	3	WBIOOZZOAOTO	J
J/Z VALVES		Cv F			Pressure tial (psi)					
Pipe	Orifice	Fac		Air-Ine	ert Gas	Stainless Steel	Stainless Steel Body			
Size (ins.)	Size (ins.)	Pressure to Cylinder	Cylinder to Exhaust	Min.	Max.	Max. Fluid and Ambient Temp. °F	Brass Body Catalog Number	Const. Ref.	Catalog Number	Const. Ref.
UNIVERSAL	OPERATION (Pressure at ar	ny port) with N	IBR Disc						
1/4	1/16	.08	.08	0	150	140	WBIS8314A300	4	WBIS8314A301	4A
NORMALLY	CLOSED (Clos	ed when de-e	nergized)							
1/4	5/16	1.5	1.5	6	150	140	WBIS8316A301 3	5	WBIS8316A381V ®	8
3/8	5/16	1.8	1.8	6	150	140	WBIS8316A302 3	5	WBIS8316A382V ⑤	8
3/8	5/8	4	4	6	150	140	WBIS8316A303 3	6	-	-
1/2	5/8	4	4	6	150	140	WBIS8316A304 3	6	WBIS8316A384V ⑤	9
3/4	11/16	5.5	5.5	10	150	140	WBIS8316A374 3	7	-	-
1	1	13	13	10	150	140	WBIS8316A334 3	7A	-	-
UNIVERSAL	OPERATION (Normally Clos	ed or Normal	ly Open) "Qui	ck Exhaust" v	with CR Diaphragm an	d NBR Disc			
1/4	2	.08	.73	5	150	140	WBIS8317A307 ①	10	WBIS8317A308 ①	11
4/2 VALVES,	with NBR Dis	c and Seal								
1/4	1/16	.08	.08	10	150	140	WBIS8345A301 ①3	12	WBIS8345A381 ①3	12
4/2 VALVES,	Brass Body v	vith NBR Disc					Single Solenoid	Const. Ref.	Dual Solenoid	Const Ref.
1/4	1/4	.80	1	10	150	140	WBIS8344A370 ①3	13	WBIS8344A344 ③	16
3/8	3/8	1.4	2.2	10	150	140	WBIS8344A372 ①3	14	WBIS8344A380 ③	17
1/2	3/8	1.4	2.2	10	150	140	WBIS8344A374 ①3	14	WBIS8344A382 ③	17
3/4	3/4	5.2	5.6	10	150	140	WBIS8344A376 ①3	15	WBIS8344A354 ③	18
1	3/4	5.2	5.6	10	150	140	WBIS8344A378 ①3	15	WBIS8344A356 ③	18
xhaust mus lot be exhau P For "Quick IMPORTAI letween the	t be connected sted to the atr Exhaust" valv VT: A minimur pressure and d	ows in the exhaunce of the main exponence. Ves, pressure pure presenting presentating presentations and controls and controls and controls and controls.	exhaust when to port is 1/16", e essure differer Supply and ex	the air or inert xhaust port is ntial must be r khaust piping	gas can 1/4". maintained must be full	® Zero minimum who auxiliary air pressure pressure vs. mainline	in disc FKM only (pilot is en valve selection gasket is applied. See chart on pressure. Minimum 15 t is in the internal positio	is in extern page 146 fo psi Operatin	al position and proper or auxiliary	



Specifications (English units)

						Single S	Solenoid				Dual Sc	lenoid	
	Di	0-141	0	Operating Different	Pressure tial (psi)					j Pressure tial (psi)			
Body	Pipe Size	Orifice Size	Cv Flow	Air-Ine	rt Gas	Max. Fluid	Catalog	Const.	Air-Inert Gas		Max. Fluid	Catalog	Const.
Material	(ins.)	(ins.)	Factor	Min.	Min. Max.		Number	Ref.	Min.	Max.	Temp.°F		Ref.
3/2, 5/2, 5/3 VALVES, with NE	BR and P	UR Seal	s										
Aluminum 3/2		Ö					WBIS8551A305	19				WBIS8551A306	19
Aluminum 5/2							WBIS8551A317	20				WBIS8551A318	20
Aluminum 5/3 Center Closed							-	-				WBIS8551A367	20
Aluminum 5/3 Center Open	1/4	1/4	.86				-	-				WBIS8551A368	20
Brass 3/2	1/4	1/4	.86				WBIS8551A307	19				WBIS8551A308	19
Brass 5/2				30	150	140	WBIS8551A319	20	30	150	140	WBIS8551A320	20
316L Stainless Steel 3/2				30	150	140	WBIS8551A313 @	19] 30	130	140	WBIS8551A314 @	19
316L Stainless Steel 5/2							WBIS8551A321 @	20				WBIS8551A322 @	20
Aluminum 3/2							WBIS8553A305	19				WBIS8553A306	19
Aluminum 5/2	1/2	1/2	3.7				WBIS8553A317	20				WBIS8553A318	20
316L Stainless Steel 3/2	1/2	1/2	3.1				WBIS8553A313 @	19				WBIS8553A314 @	19
316L Stainless Steel 5/2							WBIS8553A321 ②	20				WBIS8553A322 @	20

						Single S	olenoid				Dual So	lenoid			
					Operating Pressure Differential (psi)				Operating Differen	Pressure tial (psi)					
Body	Pipe Size	Orifice Size	Cv Flow			Air-Inert Gas		Max. Fluid	Catalog	Const.	Air-Inert Gas		Max. Fluid	Catalog	Const.
Material	(ins.)	(ins.)	Factor			Temp.°F	Number	Ref.	Min. Max.		Temp.°F	Number	Ref.		
3/2, 5/2, 5/3 VALVES, with N	BR and F	UR Seal	s, NAMU	R Mount											
Aluminum 3/2, 5/2							WBIS8551A301 ①	21				WBIS8551A302 ①	21		
Aluminum 5/3 Center Closed							-	-]			WBIS8551A365	22		
Aluminum 5/3 Center Open	1/4	1/4	.86				-	-				WBIS8551A366	22		
Brass 3/2, 5/2				30	150	140	WBIS8551A303 ①	21	30	150	140	WBIS8551A304 ①	21		
316L Stainless Steel 3/2, 5/2							WBIS8551A309 @	22	1			WBIS8551A310 @	22		
Aluminum 3/2, 5/2	1/2	1/2	3.7				WBIS8553A301	22	1			WBIS8553A302	22		
316L Stainless Steel 3/2, 5/2	1/2	1/2	3.7				WBIS8553A309 @	22	1			WBIS8553A310 @	22		
① 1/8" NPT exhaust for 1/4" a	luminum	and bras	ss. ② Car	be used fo	or <i>dry</i> natu	ral gas serv	ice.	•							



Specifications (Metric units)

2/2 VALVES,	NORMALLY C	LOSED, with N	IBR Disc							
					Pressure tial (bar)					
Pipe	Orifice			Air-Ine	ert Gas		Brass Body		Stainless Steel	Body
Size (ins.)	Size (mm)	Kv F Factor		Min.	Max.	Max. Fluid and Ambient Temp. °C	Catalog Number	Const. Ref.	Catalog Number	Const. Ref.
1/4	1	.0	17	0	10.3	60	WBIS8262A320	1	WBIS8262A386	1A
3/8	8	1.3	29	0.7	10.3	60	WBIS8223A323	2	-	-
1/2	10	2.	74	1.7	10.3	60	WBIS8223A303	3	WBIS8223A310	3
3/2 VALVES						•			1	
		Kv F	·low		Pressure tial (bar)					
Pipe	Orifice	Factor	-	Air-Ine	ert Gas			Stainless Steel	Body	
Size	Size	Pressure to	Cylinder to	B#1		Max. Fluid and	O-t-l Noushau	Const.	Ontales Namebou	Const
(ins.)	(MM) Operation (e	Cylinder Pressure at an	Exhaust	Min. RR Disc	Max.	Ambient Temp. °C	Catalog Number	Ref.	Catalog Number	Ref.
1/4	2	.07	.07	0	10.3	60	WBIS8314A300	4	WBIS8314A301	4A
		ed when de-er		0	10.5	00	WB100014A000	7	WB100314A301	7/1
1/4	8	1.29	1.29	6	10.3	60	WBIS8316A301 ③	5	WBIS8316A381V ⑤	8
3/8	8	1.37	1.37	6	10.3	60	WBIS8316A302 ③	5	WBIS8316A382V ®	8
3/8	16	3.43	3.43	6	10.3	60	WBIS8316A303 ③	6	-	
1/2	16	3.43	3.43	6	10.3	60	WBIS8316A304 ③	6	WBIS8316A384V ®	9
3/4	17	4.71	4.71	0.7	10.3	60	WBIS8316A374 ③	7	-	
1	25	11.14	11.14	0.7	10.3	60	WBIS8316A334 ③	7A	-	
UNIVERSAL	OPERATION (N	Normally Close	ed or Normally	/ Open) "Quic	k Exhaust" w	ith CR Diaphragm and				
1/4	2	.07	.63	0.3	10.3	60	WBIS8317A307 ①	10	WBIS8317A308 ①	11
4/2 VALVES,	with NBR Dis	c and Seal								
1/4	2	.07	.07	0.7	10.3	60	WBIS8345A301 ①③	12	WBIS8345A381 ①③	12
4/2 VALVES,	Brass Body w	ith NBR Disc					Single Solenoid	Const. Ref.	Dual Solenoid	Const Ref.
1/4	6	.69	.86	0.7	10.3	60	WBIS8344A370 ①3	13	WBIS8344A344 3	16
3/8	10	1.20	1.89	0.7	10.3	60	WBIS8344A372 ①3	14	WBIS8344A380 3	17
1/2	10	1.20	1.89	0.7	10.3	60	WBIS8344A374 ①③	14	WBIS8344A382 3	17
3/4	19	4.46	4.80	0.7	10.3	60	WBIS8344A376 ①3	15	WBIS8344A354 3	18
1	19	4.46	4.80	0.7	10.3	60	WBIS8344A378 ①3	15	WBIS8344A356 3	18
exhaust must not be exhaus 2 For "Quick 3 IMPORTAN netween the purea, unrestri	be connected sted to the atm Exhaust" valv IT: A minimum pressure and e	es, pressure po n operating pre exhaust ports. S ow controls and	chaust when th ort is 1/16", ex ssure different Supply and ext	ne air or inert of haust port is t tial must be m naust piping m	gas can 1/4". aintained nust be full	Zero minimum wh auxiliary air pressure pressure vs. mainline	ain disc FKM only (pilot en valve selection gaske is applied. See chart on e pressure. Minimum 1 t et is in the internal positi	t is in exter page 146 f par Operatin	nal position and proper or auxiliary	

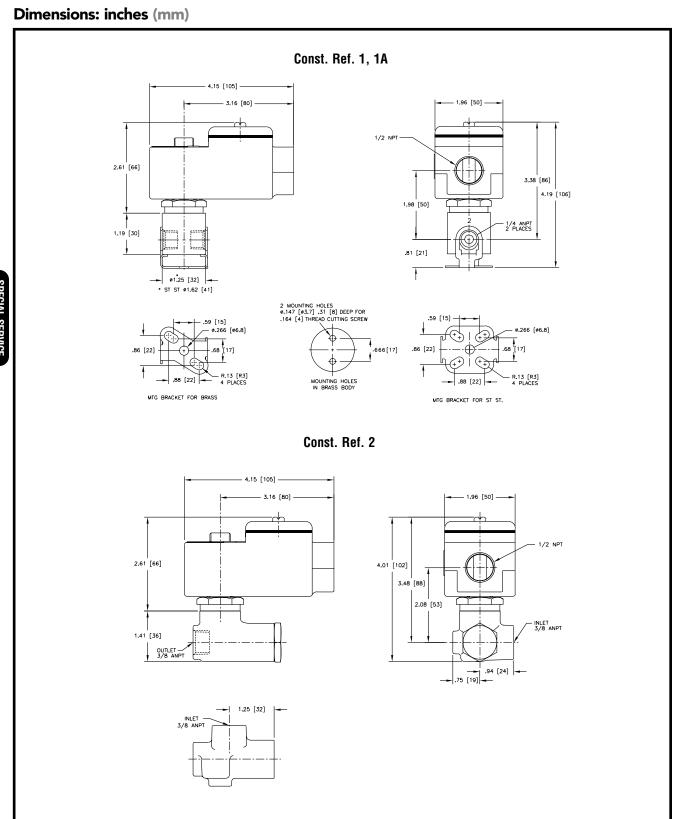


Specifications (Metric units)

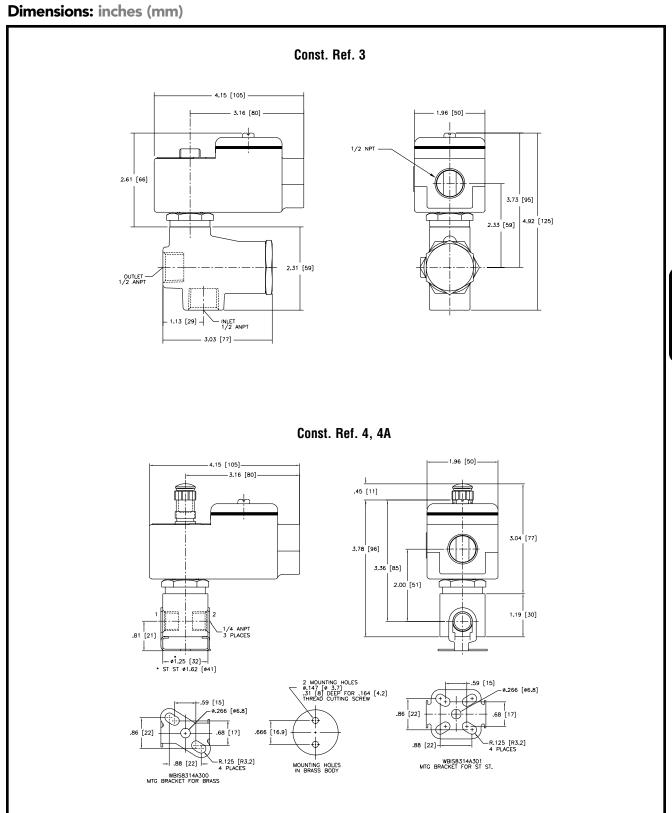
						Single S	Solenoid				Dual Sc	lenoid	Dual Solenoid							
	. .	0	.,	Operating Different	Pressure tial (bar)					g Pressure tial (bar)										
Body	Pipe Size	Orifice Size	Kv Flow	Air-Inert Gas		Max. Fluid	Catalog	Const.	Air-Inert Gas		Max. Fluid	Catalog	Const.							
Material	(ins.)	(mm)	Factor	Min.	Max.	Temp.°C		Ref.	Min.	Max.	Temp.°C		Ref.							
3/2, 5/2, 5/3 VALVES, with NE	BR and P	UR Seal	s																	
Aluminum 3/2							WBIS8551A305	19				WBIS8551A306	19							
Aluminum 5/2							WBIS8551A317	20				WBIS8551A318	20							
Aluminum 5/3 Center Closed							-	-	1			WBIS8551A367	20							
Aluminum 5/3 Center Open	1/4	6	.7				-	-	1			WBIS8551A368	20							
Brass 3/2	1/4	0	.1				WBIS8551A307	19	1			WBIS8551A308	19							
Brass 5/2				2	10	60	WBIS8551A319	20	2	10	60	WBIS8551A320	20							
316L Stainless Steel 3/2				2	10	60	WBIS8551A313 @	19] -	10	00	WBIS8551A314 @	19							
316L Stainless Steel 5/2							WBIS8551A321 @	20				WBIS8551A322 @	20							
Aluminum 3/2							WBIS8553A305	19				WBIS8553A306	19							
Aluminum 5/2	1/2	13	3.7				WBIS8553A317	20				WBIS8553A318	20							
316L Stainless Steel 3/2	1/2	13	ა./				WBIS8553A313 @	19	1			WBIS8553A314 @	19							
316L Stainless Steel 5/2							WBIS8553A321 @	20	1			WBIS8553A322 @	20							

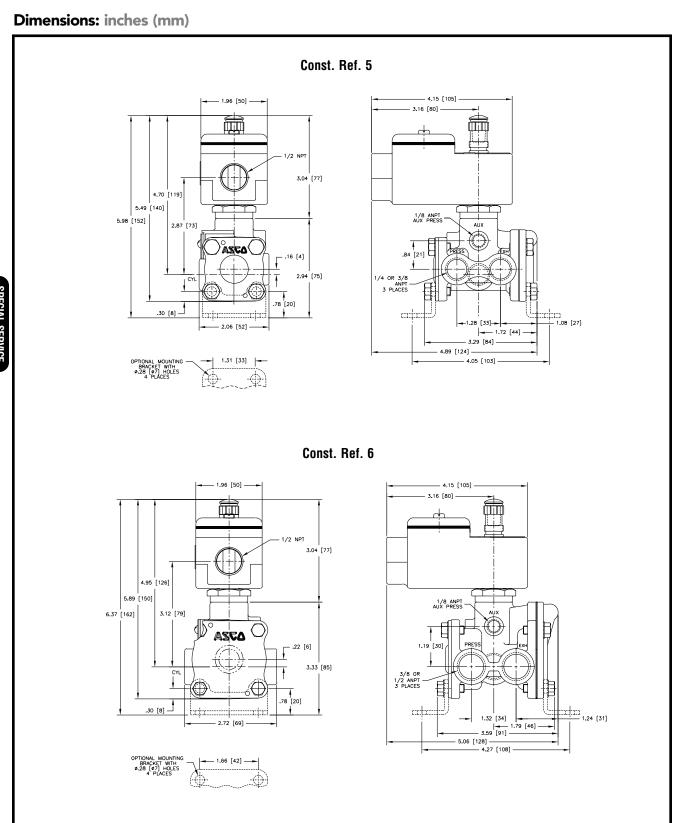
						Single S	olenoid				Dual So	lenoid			
					Operating Pressure Differential (bar)					Pressure tial (bar)					
Body	Pipe Size	Orifice Size	Kv Flow			Air-Inert Gas		Max. Fluid	Catalog	Const.	Air-Inert Gas		Max. Fluid	Catalog	Const.
Material	(ins.)	(mm)	Factor			Temp.°C		Ref.	Min. Max.		Temp.°C		Ref.		
3/2, 5/2, 5/3 VALVES, with N	BR and P	UR Seal	s, NAMU	R Mount											
Aluminum 3/2, 5/2							WBIS8551A301 ①	21				WBIS8551A302 ①	21		
Aluminum 5/3 Center Closed							-	-				WBIS8551A365	22		
Aluminum 5/3 Center Open	1/4	6	.7				-	-				WBIS8551A366	22		
Brass 3/2, 5/2				2	10	60	WBIS8551A303 ①	21	2	10	60	WBIS8551A304 ①	21		
316L Stainless Steel 3/2, 5/2							WBIS8551A309 @	22				WBIS8551A310 @	22		
Aluminum 3/2, 5/2	1/2	13	3.7				WBIS8553A301	22	1			WBIS8553A302	22		
316L Stainless Steel 3/2, 5/2	1/2	13	J.1				WBIS8553A309 @	22	1			WBIS8553A310 @	22		
① 1/8" NPT exhaust for 1/4" aluminum and brass. ② Can be used for <i>dry</i> natural gas service.															



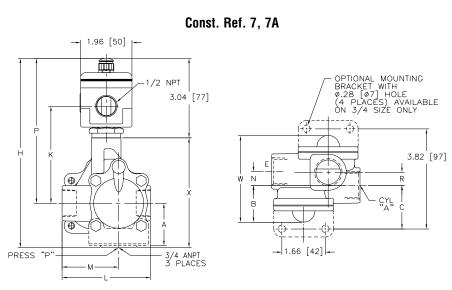






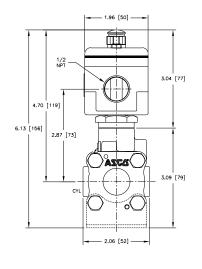


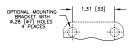


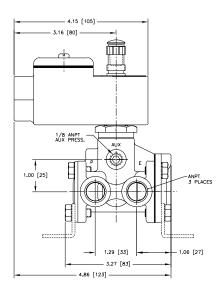


Catalog No.		A	В	C	Н	K	L	M	N	Р	R	W	Х
WBIS8316A374	ins.	1.61	1.41	1.66	7.23	3.71	3.38	2.16	.53	5.54	.50	3.31	4.19
WD130310A374	mm	41	36	42	184	94	86	55	13	141	13	84	106
WBIS8316A334	ins.	-	1.78	-	7.85	3.96	4.44	2.81	.87	5.79	1.74	5.32	481
WD130310A334	mm	-	45	-	199	100	113	71	22	147	44	135	122

Const. Ref. 8



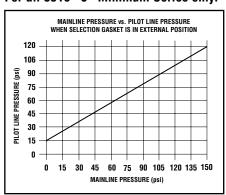




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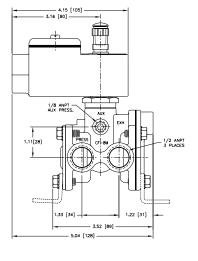
Dimensions: inches (mm)

Refer to note ⑥. For all 8316 "O" Minimum Series only.



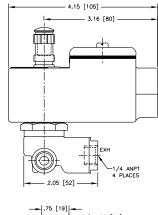
1.96 [50]
1/2 NPT
3.04 [77]
4.81 [122]
2.98 [76]
3.41 [87]

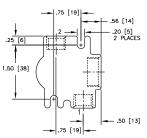
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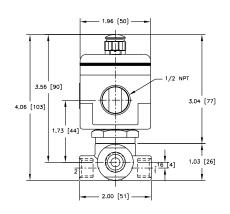


OPTIONAL MOUNTING
BRACKET WITH
9.28 (4) PLACES

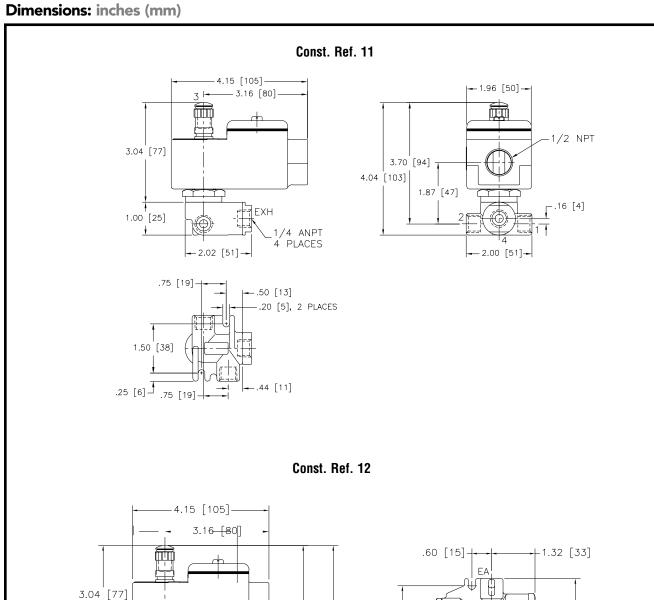
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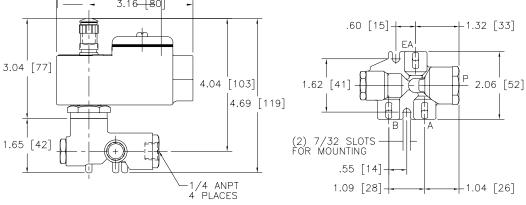




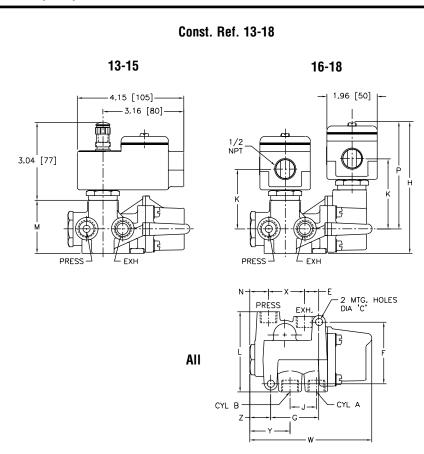












Catalog No.		ØC	E	F	G	Н	J	K	L	M	N	Р	W	Х	Υ	Z	Exhaust Pipe Size
WBIS8344A370	ins.	.28	.56	2.41	1.88	5.12	1.03	2.33	3.13	2.08	.72	4.16	4.75	1.41	1.56	.81	3/8"
WD130344A370	mm	7.1	14	61	48	130	26	59	80	53	18	106	121	36	40	21	3/0
WBIS8344A380, 382	ins.	.34	.77	3.12	2.62	5.72	1.50	2.77	3.18	2.06	.83	4.60	6.06	1.86	1.90	.84	1/2"
WD130344A300, 302	mm	8.6	20	79	67	145	38	70	81	52	21	117	154	47	48	21	1/2
WBIS8344A372. 374	ins.	.34	.77	3.12	2.62	5.10	1.50	2.14	3.18	2.06	.83	3.98	6.06	1.86	1.90	.84	1/2"
WD130344A372, 374	mm	8.6	20	79	67	120	38	54	81	52	21	101	154	47	48	21	1/2
WBIS8344A344	ins.	.28	.56	2.41	1.88	5.12	1.03	2.74	3.13	2.08	.72	4.16	4.75	1.41	1.56	.81	3/8"
WDI30344A344	mm	7.1	14	61	48	130	26	70	80	53	18	106	121	36	40	21	3/0
WBIS8344A376, 378	ins.	.34	1.37	3.81	3.88	5.90	2.09	2.52	4.56	2.86	1.55	4.35	8.25	2.12	2.63	1.16	1"
WD130344A370, 370	mm	8.6	35	97	99	150	53	64	116	73	39	110	210	54	67	30	'
WBIS8344A354, 356	ins.	.34	137	3.81	3.88	6.54	2.09	3.21	4.56	2.81	1.55	4.35	8.25	2.12	2.63	1.16	1"
WD1000778034, 030	mm	8.6	35	97	99	168	53	81	116	71	39	110	210	54	67	30	,
IMPORTANT: Valves ca	ın be ı	nounte	d in an	y positi	on.												



Series	8551	8553
NPT	1/4	1/2
L1 ①	5.12 (132)	6.00 (153)
L2 ①	6.73 (171)	7.80 (198)
H2	4.38 (111)	4.77 (121)
H1	1.10 (28)	1.58 (40)
W	1.77 (45)	2.85 (72)

① Manual override option MH adds .250" (6.4), MS option adds .468" (11.9) to each solenoid endcap.

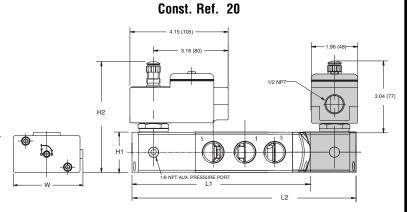
	Optional Manual Operators		
Add Suffix		Description	
МО		Push and turn to lock with flat head screwdriver slot	
MI	1 2	Momentary push in with flat head screwdriver slot	
МН		Momentary push in by hand	
MS	1 ← 0	Push and turn to lock by hand	

Const. Ref. 19	
4.15 (105) 3.16 (80) 1/2 NPT 1/8 NPT AUX. PRESSURE PORT L1 L2	

Series	8551	8553
NPT	1/4	1/2
L1 ①	5.63 (144)	7.06 (180)
L2 ①	7.20 (183)	8.86 (225)
H2	4.38 (111)	4.77 (121)
H1	1.10 (28)	1.58 (40)
W	1.77 (45)	2.85 (72)

① Manual override option MH adds .250" (6.4), MS option adds .468" (11.9) to each solenoid endcap.

Optional Manual Operators		
Add Suffix		Description
МО		Push and turn to lock with flat head screwdriver slot
MI		Momentary push in with flat head screwdriver slot
МН	1 2	Momentary push in by hand
MS		Push and turn to lock by hand





Series	8551 (Aluminum, Brass)
NPT	1/4
L1 ①	4.96 (126)
L2 ①	6.49 (165)
H2	4.38 (111)
H1	1.57 (40)
W	1.77 (45)

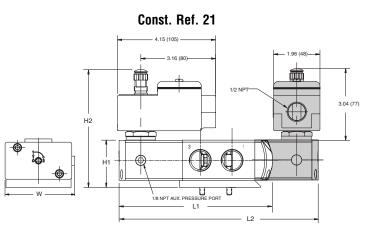
① Manual override option MH adds .250" (6.4), MS option adds .468" (11.9) to each solenoid endcap.

Optional Manual Operators		
Add Suffix		Description
МО	1 ← 0 1 ← 0	Push and turn to lock with flat head screwdriver slot
MI	1 2	Momentary push in with flat head screwdriver slot
МН	1 2	Momentary push in by hand
MS	1 \(\)	Push and turn to lock by hand

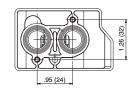
Series	8551 (316L SS)	8551 (5/3)	8553
NPT	1/4	1/4	1/2
L1 ①	5.20 (132)	-	7.08 (180)
L2 ①	6.73 (171)	7.44 (189)	8.85 (225)
H2	4.38 (111)	4.38 (111)	4.77 (121)
H1	1.57 (40)	1.57 (40)	2.08 (53)
W	1.77 (45)	1.77 (45)	2.87 (73)

 $\ \, \mathbb D$ Manual override option MH adds .250" (6.4), MS option adds .468" (11.9) to each solenoid endcap.

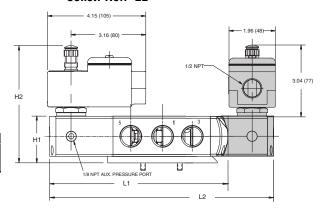
	Optional Manual Operators		
Add Suffix		Description	
МО		Push and turn to lock with flat head screwdriver slot	
MI	1 2	Momentary push in with flat head screwdriver slot	
МН	1 2	Momentary push in by hand	
MS	1 \(\)	Push and turn to lock by hand	



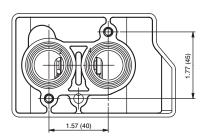
8551 NAMUR Footprint



Const. Ref. 22



8553 NAMUR Footprint



8551 NAMUR Footprint

