

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

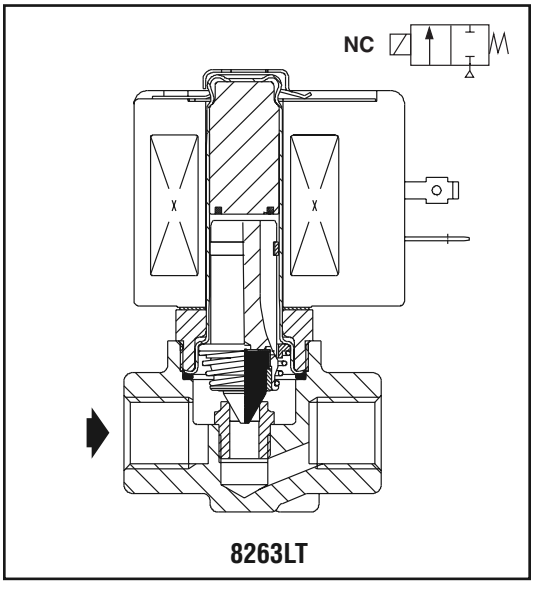
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

Features

- "LT" suffix valves are built to control cryogenic fluids, including liquid oxygen (-297˚F/-181˚C), liquid argon (-303˚F/-184˚C), and liquid nitrogen (-320˚F/-194˚C)
- All suffix "LT" valves are degreased, cleaned, tested free of moisture, and black light tested for hydrocarbons
- Liquid CO_2 valves are suitable for remote mounting or for direct mounting to the refrigerated component by using four-hole bracket, provided





8263LT

Construction

Valve Parts in Contact with Fluids	
Body: Cryogenic Valves	Brass
Body: LCO_2 Valves	Nickel-Plated Brass
Seals	PTFE and/or Clad Copper/UR
Disc	PTFE/UR (8264 only)
Core and Plugnut	430F Stainless Steel or 49 FM Alloy
Core Spring	302 Stainless Steel
Shading Coil	Copper
Seats	Stainless Steel (8264 Series)

Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption				Spare Coil Part Number			
		AC			General Purpose		Explosionproof	
	DC Watts	Watts	VA Holding	VA Inrush	AC	DC	AC	DC
F	11.6	12.1	23	47	238610	238710	238614	238714
F	18.6	13.8	27	43	238210	238310	238214	238314
F	-	17.1	34	64	238610	-	238614	-
H	40.6	17.1	34	64	238810	238910	238814	238914

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.

Solenoid Enclosures

Standard: Watertight, Types 1, 2, 3, 3S, 4, and 4X.

Optional: Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9. (To order, add prefix "EF" to catalog number.)

See Optional Features Section for other available options.

Nominal Fluid Temp. Ranges

AC Cryogenic Valves: -320˚F to 150˚F (-196˚C to 66˚C)
DC Cryogenic Valves: -320˚F to 120˚F (-196˚C to 49˚C)
All Liquid CO_2 Valves: -75˚F to 120˚F (-59˚C to 49˚C)
Refer to Engineering Section for details.

Nominal Ambient Temp. Ranges

AC Construction: 32˚F to 125˚F (0˚C to 52˚C)
DC Construction: 32˚F to 104˚F (0˚C to 40˚C)
Refer to Engineering Section for details.

Approvals

CSA certified. Meets applicable CE directives.
Refer to Engineering Section for details.

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Operating Pressure Differential (psi)			Catalog Number	Const. Ref.	Watt Rating/ Class of Coil Insulation	
			Min.	Max. AC	Max. DC			AC	DC
CRYOGENIC SERVICE - NORMALLY CLOSED (Closed when de-energized)									
1/8	1/8	.35	0	130	75	8263G240LT	2	12.1/F	11.6/F
1/4	1/8	.35	0	130	-	8262G022LT	1	12.1/F	-
1/4	7/32	.56	0	100	30	8263G205LT	2	17.1/F	11.6/F
1/4	9/32	.70	0	40	18	8263G209LT	2	12.1/F	11.6/F
3/8	1/8	.35	0	130	75	8263G232LT	2	12.1/F	11.6/F
3/8	7/32	.56	0	100	30	8263G206LT	3	17.1/F	11.6/F
3/8	9/32	.70	0	40	18	8263G210LT	3	12.1/F	11.6/F
1/2	5/8	3.8	0	90	50	8222G002LT	4	17.1/H	40.6/H
3/4	3/4	5.8	0	90	50	8222G003LT	4	17.1/H	40.6/H
1	1	13.5	5	200	100	8210G078LT	5	17.1/F	40.6/H
1 1/4	1 1/8	15	5	200	100	8210G080LT	6	17.1/F	40.6/H
1 1/2	1 1/4	22.5	5	200	100	8210G082LT	7	17.1/F	40.6/H
LIQUID CO_2 SERVICE - NORMALLY CLOSED (Closed when de-energized)									
1/8	3/64	.06	0	1000	1000	8264G009 ①	8	13.8/F	18.6/F
1/8	3/32	.20	0	300	300	8264G010 ①	8	13.8/F	18.6/F

① Must use tubing with an I.D. no larger than the outlet port orifice to locate the refrigeration point downstream and to prevent freezing of the CO_2 inside the valve.

Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)	Kv Flow Factor (m3/h)	Operating Pressure Differential (bar)			Catalog Number	Const. Ref.	Watt Rating/ Class of Coil Insulation	
			Min.	Max. AC	Max. DC			AC	DC
CRYOGENIC SERVICE - NORMALLY CLOSED (Closed when de-energized)									
1/8	3	.3	0	9	5	8263G240LT	2	12.1/F	11.6/F
1/4	3	.3	0	9	-	8262G022LT	1	12.1/F	-
1/4	6	.5	0	7	2	8263G205LT	2	17.1/F	11.6/F
1/4	7	.6	0	3	1	8263G209LT	2	12.1/F	11.6/F
3/8	3	.3	0	9	5	8263G232LT	2	12.1/F	11.6/F
3/8	6	.5	0	7	2	8263G206LT	3	17.1/F	11.6/F
3/8	7	.6	0	3	1	8263G210LT	3	12.1/F	11.6/F
1/2	16	3.2	0	6	3	8222G002LT	4	17.1/H	40.6/H
3/4	19	5	0	6	3	8222G003LT	4	17.1/H	40.6/H
1	25	11.6	5	14	7	8210G078LT	5	17.1/F	40.6/H
1 1/4	29	13	5	14	7	8210G080LT	6	17.1/F	40.6/H
1 1/2	32	19	5	14	7	8210G082LT	7	17.1/F	40.6/H
LIQUID CO_2 SERVICE - NORMALLY CLOSED (Closed when de-energized)									
1/8	1	.05	0	69	69	8264G009 ①	8	13.8/F	18.6/F
1/8	2	.17	0	21	21	8264G010 ①	8	13.8/F	18.6/F

① Must use tubing with an I.D. no larger than the outlet port orifice to locate the refrigeration point downstream and to prevent freezing of the CO_2 inside the valve.

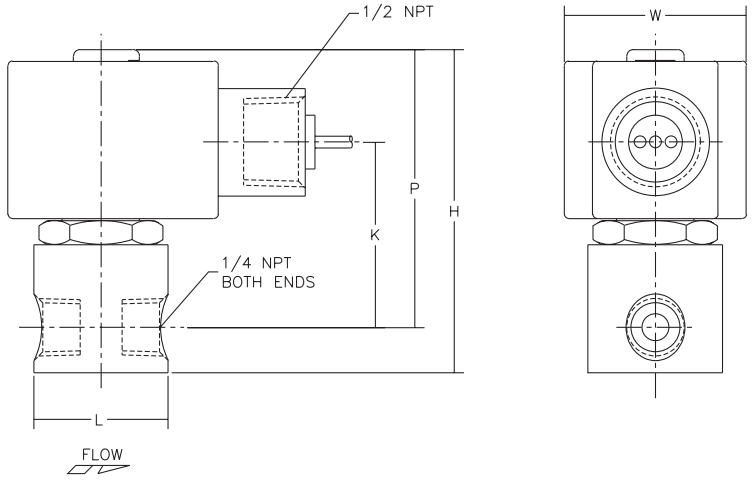
Dimensions inches (mm)

Const. Ref.		H	K	L	P	W
1	ins.	3.19	1.80	Ø1.25	2.77	1.95
	mm	81	46	Ø32	70	50
2	ins.	3.25	1.70	1.88	2.67	1.95
	mm	83	43	48	68	50
3	ins.	3.25	1.70	2.00	2.67	1.95
	mm	83	43	51	68	50
4	ins.	4.67	3.15	2.75	4.11	1.95
	mm	119	80	70	104	50
5	ins.	5.82	3.22	3.75	4.19	4.44
	mm	148	82	95	106	113
6	ins.	5.82	3.22	3.66	4.19	4.86
	mm	148	82	93	106	123
7	ins.	6.29	3.37	4.38	4.34	5.81
	mm	160	86	111	110	148
8	ins.	2.82	1.27	Ø1.12	2.13	1.69
	mm	72	32	Ø28	54	43

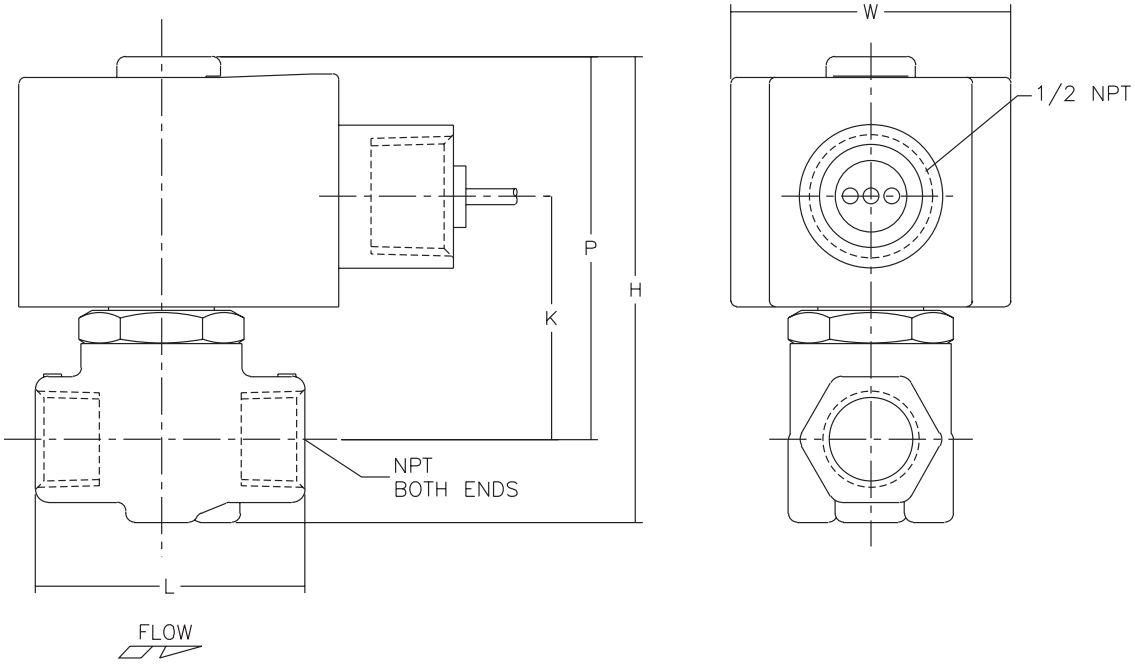
IMPORTANT: Valves may be mounted in any position.

8222G002LT **8222G003LT**	Mount vertical and upright.

Const. Ref. 1

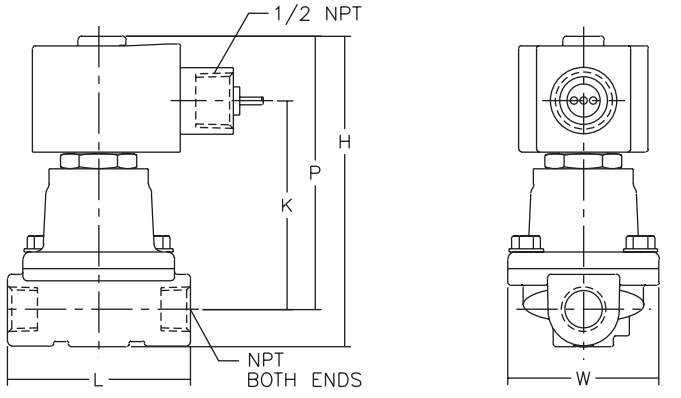


Const. Ref. 2, 3

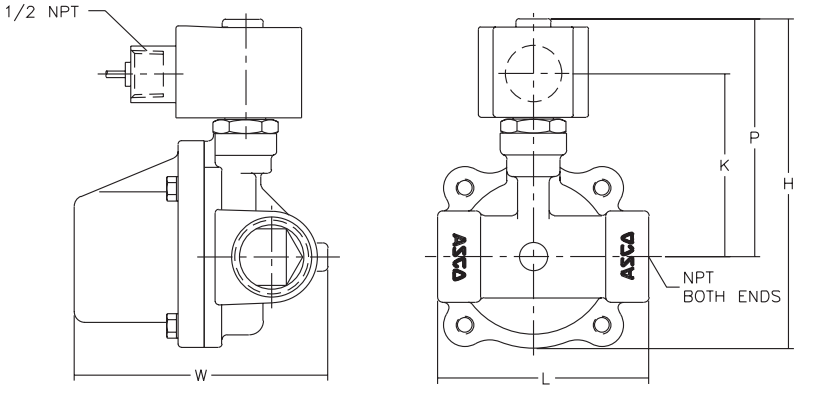


Dimensions inches (mm)

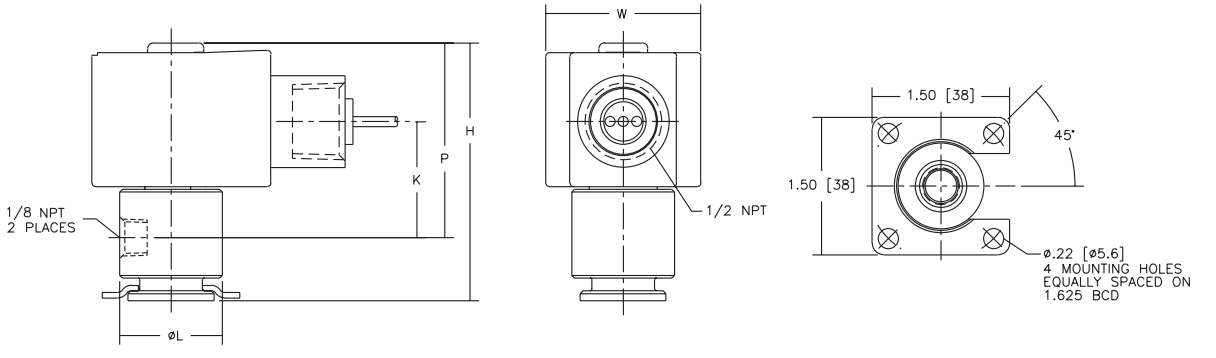
Const. Ref. 4



Const. Ref. 5, 6, 7



Const. Ref. 8



SPECIAL SERVICE VALVES

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP