GC Valves

True Union Solenoid Valves

Nylon-6 • ½" & ¾" NPT Pipe Size

Applications

A DEMA Company

Water treatment (ozone, UV, reverse osmosis, sterilizers), drinking water, car wash, food & beverage (bottling, craft beverages, produce mister, cleaning), clean-in-place (CIP), commercial buildings, hospitals, medical facilities, and agricultural.

Features

- Allows for compact piping arrangements
- Easy removal for cleaning and servicing in the field
- Wrench flats on fittings help protect valve from damage during install/removal
- NSF approved options
- UL recognized, CSA, and CE options
- Great for OEMs looking to reduce plumbing complexity and footprint

Construction

Wetted Components							
Body	Nylon-6 + 30% Glass Fill						
End Fittings	300 Series Stainless Steel						
Operator Tube	300 Series Stainless Steel						
Plunger & Tube Head	400 Series Stainless Steel						
Springs	300 Series Stainless Steel						
Shading Ring	Copper (Std.), Silver						
Seals	EPDM or FKM						

Coil Housing

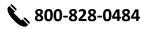
T20 & T21 Series (See Drawing #1 and #3) •½" NPT Conduit Hub with 24" Lead Wires (NEMA 4/4X, IP65)

•DIN - 18mm Form A (NEMA 4/4X, IP65)

•Junction Box (Single or Dual Knockouts)

- TP3 Series (See Drawing #2)
- •18" Lead Wires (IP65)
- •DIN 11mm Form B (IP65)
- *All Coils Rated for 100% Duty Cycle

*See Engineering Guide for Additional Coil Housings and Dimensions





Ambient Temperature (Nominal)

•32°F to 125°F (0°C to 52°C)

Maximum Fluid Temperature

•180°F (82°C)

Approvals

- UL Recognized (T20 & T21 Series)
- cURus (TP3 Series)
- CSA Certified (T20 & T21 Series)

*Add suffix "E" to part number for CSA Certification

• CE Certified

• NSF 61-G: Drinking Water System Components (includes Lead Free requirements)

NSF 372: Drinking Water System
 Components (Lead Content Certification)
 *Add prefix "N" to part number for NSF
 Certification







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Specifications

Par	t number	s shown a	as gene	eral pu	rpose,	120vAC,	with EPI	OM seals. See Par	t Number Selectio	on for n	nore opt	tions.
Pipe Size (NPT)	0.10		Operating Pressure Differential (PSI) Part I						umber*	_		
	Orifice Size (in)	Flow Factor (Cv)	Min.	Ma (Air/			ax. Iter)	DIN Coil	Lead Wire Coil	-	wer mption	Drawing #
()	("")			AC	DC	AC	DC			AC	DC	
Normally Closed (Closed when de-energized)												
	3/4	4.3	0	140	90	140	90	T201YH02CPD2	T201GH02CPD2	10W	10W	1
1/2"	3/4	4.3	4	200	150	150	100	T211YH02CPD2	T211GH02CPD2	8W	10W	1
-	3/4	4.3	5	150	80	150	80	TP31YH02CPD2	TP31GH02CPD2	6.5vA	8W	2
	3/4	6.7	0	140	90	140	90	T201YH02CPE2	T201GH02CPE2	10W	10W	1
3/4"	3/4	6.7	4	200	150	150	100	T211YH02CPE2	T211GH02CPE2	8W	10W	1
	3/4	6.7	5	150	80	150	80	TP31YH02CPE2	TP31GH02CPE2	6.5vA	8W	2
Normally	y Open (Op	en when de	e-energi	zed)								
1/2"	3/4	4.3	0	200	125	200	125	T202YH02CPD2	T202GH02CPD2	11W	10W	3
1/2	3/4	4.3	4	200	140	200	125	T212YH02CPD2	T212GH02CPD2	11W	10W	3
3/4"	3/4	6.7	0	200	125	200	125	T202YH02CPE2	T202GH02CPE2	11W	10W	3
5/4	3/4	6.7	4	200	140	150	140	T212YH02CPE2	T212GH02CPE2	11W	10W	3

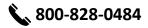
Part Number Selection

T20	1	G	н	02	С	Ρ	D	2	(blank)
True Union	Operating	Housing	Coil Class	Voltage ③	Seal	Body	Pipe	Number	Optional
Series	Mode(1)				Material	Material	Connection	of Unions	Suffix
Т20	1: 2WNC	G: Lead	H: H Class	02 :110v/50Hz	C: EPDM	P: Nylon	D : ½" NPT	0 : No	(blank):
T21	2 : 2WNO	Wires ²		120v/60Hz	V: FKM		E: ¾″ NPT	Unions	No Option
ТРЗ		Y: DIN		04 :220v/50Hz				2 : Both	E: CSA Cert.
				240v/60Hz				Unions	K: Mounting
				24 : 24v/50-60Hz					Bracket
				15 : 12vDC					P: Nickel
				16 : 24vDC					Plating

①Normally open variation not available for TP3 series

O G Housing for T20 &T21 Series has $\cancel{12}$ " Conduit Hub with 24" Leads, TP3 Series has 18" Leads

3See Engineering Guide for additional voltages, variations, and options







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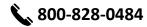
NSF Certified Valve Specifications

Pa	art numbe	ers shown	as NS	F Certi	fied, 1	20vAC, w	ith EPDI	M seals. See Part	Number Selection	for mo	re optic	ons.		
Pipe Size (NPT)		_1	Operating Pressure Differential (PSI)					Part N	Part Number*					
	Orifice Size (in)	Size Factor	Factor		Min.	Ma (Air/			ax. ater)	DIN Coil	Lead Wire Coil	_	wer mption	Drawing #
	()	(00)		AC	DC	AC	DC			AC	DC			
Normally Closed (Closed when de-energized)														
	3/4	4.3	0	-	-	140	90	NT201YH02CPD2	NT201GH02CPD2	10W	10W	1		
1/2"	3/4	4.3	4	-	-	150	100	NT211YH02CPD2	NT211GH02CPD2	8W	10W	1		
-	3/4	4.3	5	-	-	150	80	NTP31YH02CPD2	NTP31GH02CPD2	6.5vA	8W	2		
	3/4	6.7	0	-	-	140	90	NT201YH02CPE2	NT201GH02CPE2	10W	10W	1		
3/4"	3/4	6.7	4	-	-	150	100	NT211YH02CPE2	NT211GH02CPE2	8W	10W	1		
	3/4	6.7	5	-	-	150	80	NTP31YH02CPE2	NTP31GH02CPE2	6.5vA	8W	2		
Normally	y Open (Op	en when de	e-energi	ized)										
1/2"	3/4	4.3	0	-	-	200	125	NT202YH02CPD2	NT202GH02CPD2	11W	10W	3		
1/2	3/4	4.3	4	-	-	200	125	NT212YH02CPD2	NT212GH02CPD2	11W	10W	3		
3/4"	3/4	6.7	0	-	-	200	125	NT202YH02CPE2	NT202GH02CPE2	11W	10W	3		
5/4	3/4	6.7	4	-	-	150	140	NT212YH02CPE2	NT212GH02CPE2	11W	10W	3		

NSF

NSF Certified Part Number Selection

Ν	T20	1	G	Н	02	С	Р	D	2	(blank)	
Prefix	True Union Series	Operating Mode①	Housing	Coil Class	Voltage3	Seal Material	Body Material	Pipe Connection	Number of Unions	Optional Suffix	
N: NSF Certified④	T20 T21 TP3	1: 2WNC 2: 2WNO	G: Lead Wires② Y: DIN	H: H Class	02:110v/50Hz 120v/60Hz 04:220v/50Hz 240v/60Hz 24: 24v/50- 60Hz 15: 12vDC 16: 24vDC	C: EPDM	P: Nylon	D: ½" NPT E: ¾" NPT	0: No Unions 2: Both Unions	(blank): No Option E: CSA Cert. K: Mounting Bracket P: Nickel Plating	
②G Housin③See Engi	 10:24vDC 10:24vD 10:24vD 10:24vD 10:24vD 10:24vD 10:24vD										

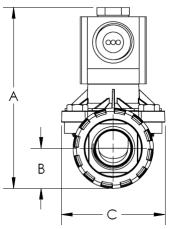


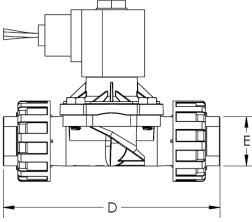




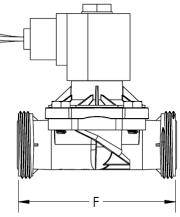
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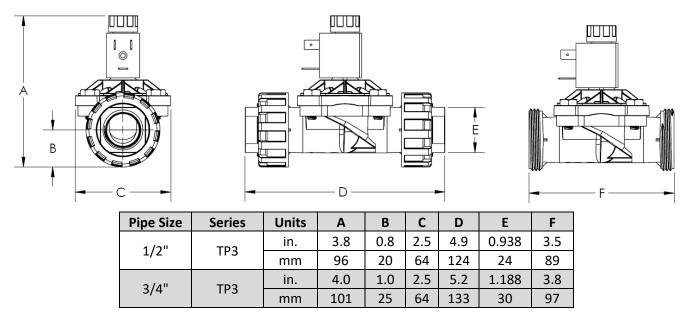


Drawing #1



Pipe Size	Series	Units		Α	В	С	D	E	F
1/2"	T201	in.	4	0.8	2.5	4.9	0.938	3.5	
1/2	T201	mm	1	20	64	124	24	89	
1 /2"	T211	in.	3.9 (AC)	4.2 (DC)	0.8	2.5	4.9	0.938	3.5
1/2"		mm	100	106	20	64	124	24	89
2/4"	T201	in.	4	1.0	2.5	5.2	1.188	3.8	
3/4"	T201	mm	1	111			133	30	97
2/4"	T211	in.	4.1 (AC)	4.4 (DC)	1.0	2.5	5.2	1.188	3.8
3/4"	T211	mm	104	111	25	64	133	30	97

Drawing #2





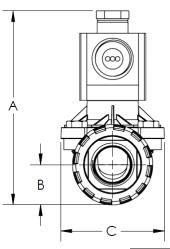


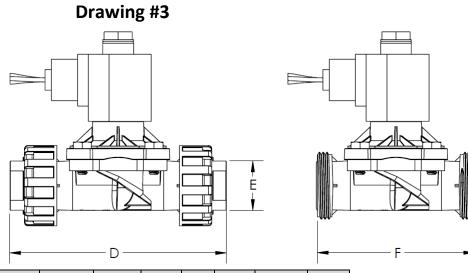




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Pipe Size	Series	Units	Α	В	С	D	E	F
1/2"	T202 &	in.	4.7	0.8	2.5	4.9	0.938	3.5
1/2	T212	mm 119 20 64 124 24	89					
2 (41)	T202 &	in.	4.7	1.0	2.5	5.2	1.188	3.8
3/4"	T212	mm	119	25	64	133	30	97



