



## Puri-T 264 NPT

1/2" - 1 1/2" Lead Free, ISO 5211

All surfaces of this product in contact with drinking water contain less than 0.25% of lead in compliance with U.S. law.



DRINKING WATER

### Quality

- Certified by CSA International to comply with U.S. s3874, California AB1953, and similar laws of other states for the safe handling of drinking water
- 24h 100% seal test guaranteed
- Dual sealing system allows valve to be operated in either direction making installation easier
- No metal-to-metal moving parts
- No maintenance ever required
- Silicone-free lubricant on all seals
- Chrome plated lead free brass ball for longer life

### Body

- Hot forged sand blasted, unplated lead free brass body and cap sealed with Loctite® or equivalent thread sealant
- Integrated ISO 5211 and DIN 3337 mounting flange for universal connection to actuator
- Finest brass according to EN 12165 and EN 12164 specifications

### Stem

- Blowout-proof nickel plated lead free brass stem
- Maintenance-free, double FPM O-rings at the stem for maximum safety

### Sealing

- Reinforced PTFE self-lubricating seats with flexible-lip and wear compensation design

### Threads

- NPT taper ANSI B.1.20.1 female by female threads

### Flow

- 100% full port for maximum flow

### Operating mechanism

- Integrated sturdy ISO 5211 flange allows direct mounting of electric and pneumatic actuators, with no bracket or coupling required. See **RuB** line of electric and pneumatic actuators.

### Working pressure & temperature

- 600 PSI up to 3/4" size
- For 1" size up to 1.1/2" size:
  - Shell rating: 600 PSI
  - Seat rating: Delta P max permissible 230 PSI
- non-shock cold working pressure
- For general use: -4°F/+350°F
- NSF 61 limits (CSA approval): tested for use in continuous exposure to water of ambient temperature
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

### Options

- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator for some sizes
- Manual lockable handle

### Upon request

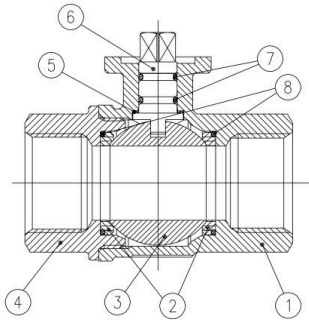
- Custom design

### Approved by or in compliance with

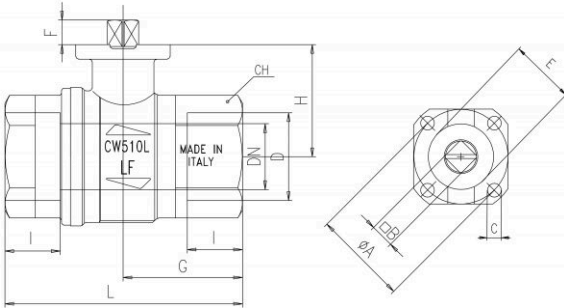
- GOST-R (Russia)
- Certified by CSA International for Drinking Water to NSF/ANSI 61 - NSF/ANSI 372 (United States)
- RoHS Compliant (EU)

**NOTE:** approvals apply to specific configurations/sizes only.





	PART DESCRIPTION	Q.TY	MATERIAL
1	Unplated NPT body	1	CW510L
2	Ball seat	2	PTFE graphite filled 15% up to 3/4" size, PTFE carbographe filled over 3/4" size
3	Chrome plated ball	1	CW510L
4	Unplated NPT end-cap	1	CW510L
5	Washer	1	PTFE carbon filled 25%
6	Nickel plated stem O-ring design	1	CW510L
7	O-Ring	2	FPM
8	O-Ring	2	FPM



Code	T264D41	T264E41	T264F41	T264G41	T264H41
D (inch)	1/2	3/4	1	1 1/4	1 1/2
DN (inch)	0.590	0.787	0.984	1.259	1.575
I (inch)	0.610	0.708	0.826	0.905	0.964
L (inch)	2.598	2.933	3.562	4.094	4.606
G (inch)	1.201	1.456	1.791	2.047	2.322
H (inch)	1.220	1.515	1.673	1.941	2.441
CH (inch)	1.063	1.259	1.614	1.968	2.165
ØA (inch)	1.417	1.417	1.417	1.417	1.968
□B (inch)	0.354	0.354	0.354	0.354	0.551
C (inch)	0.220	0.220	0.220	0.220	0.259
E (inch)	0.984	0.984	0.984	0.984	1.378
F (inch)	0.295	0.334	0.334	0.334	0.570
Flange conection DIN ISO 5211 DIN 3337	F03	F03	F03	F03	F05
Cv (GPM)	32.3	69.3	115.5	179.1	283.1

### Torque for actuator sizing in-lb

Delta P →	0÷200 PSI		600 PSI	
	To open	To close	To open	To close
Valve size				
1/2"	25	15	25	15
3/4"	33	20	33	20

Delta P →	0÷90 PSI		>90÷230 PSI	
	To open	To close	To open	To close
Valve size				
1"	19	19	31	31
1 1/4"	22	22	35	35
1 1/2"	51	51	84	84

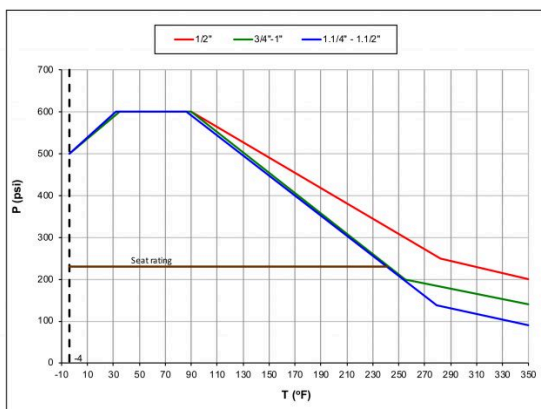
### Torque correction factors

Valve torque can vary according to operating frequency, temperature and friction characteristics of the media.

If media has more or less friction than water, multiply torque by the following factors.

- Lubricating oils or liquids 0.8
- Dry gases, natural gas, 1.5
- Slurries or liquids bearing abrasive particles 1.5÷2.5

### Pressure-temperature chart



for general use

### Pressure drop chart

