LEGEND VALVE

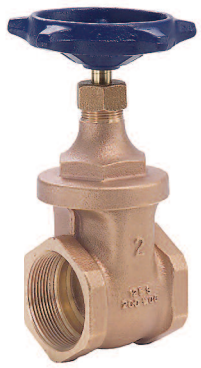
SUBMITTAL SHEET

JOB NAME | ITEM TAG

JOB LOCATION | PART NUMBER

CONTRACTOR | DATE

ENGINEER APPROVAL | DATE



BRONZE NON-RISING STEM GATE VALVE

T/S-414

Durable, all-bronze body construction

Heavy duty screw-over bonnet design is stronger than traditional inserted bonnets

Non-rising stem design is compact and reliable

Solid, fully-guided disc-wedge

Integral seats

- Class 125
- Conforms to MSS SP 80
- Threaded end connections comply with ANSI/ASME B1.20.1
- Sweat end connections comply with ANSI/ASME B16.18
- Manufactured in an ISO accredited facility

Working Pressure, Non-Shock (psi)
Cold working pressure (CWP): 200
Saturated Steam (WSP): 125

Test Pressure (psi)
Shell (Water): 300
Seat (Air): 80

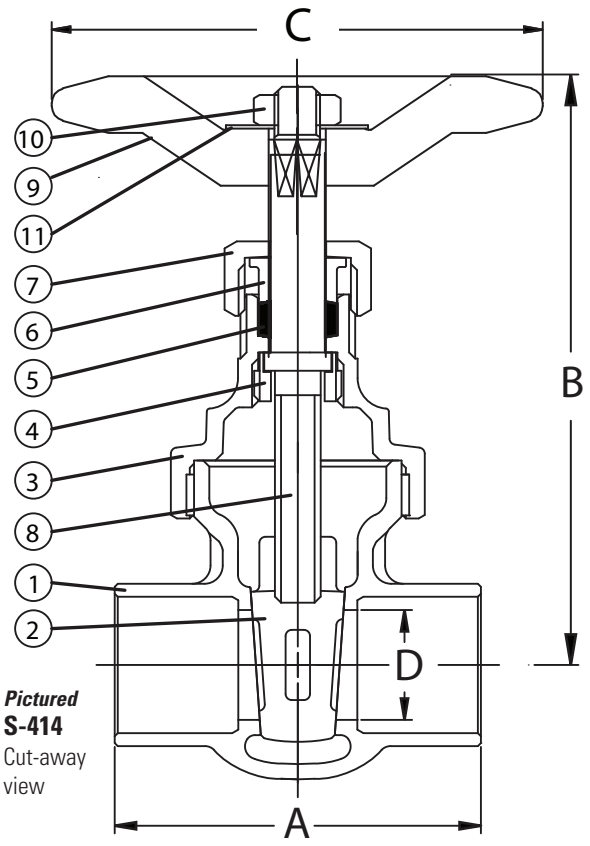
MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
1 Body	Cast bronze	ASTM B62 UNS C83600
2 Disc wedge	Cast bronze	ASTM B62 UNS C83600
3 Bonnet	Cast bronze	ASTM B62 UNS C83600
4 Locknut	Brass	ASTM B16 UNS C36000
5 Stem packing	PTFE	DuPont Teflon*
6 Packing gland	Brass	ASTM B16 UNS C36000
7 Packing nut	Brass	ASTM B16 UNS C36000
8 Stem	Dezincification resistant brass (DZR)	AS 352
9 Handwheel	Cast iron	ASTM A126 Class B
10 Handwheel nut	Zinc plated steel	ASTM A563
11 Identification disc	Aluminum	ASTM B209 1100

**Teflon is a registered trademark of DuPont*

DIMENSIONS

Size	A (IPS)	A (CxC)	B	C	D
1/2"	1.87	1.81	3.07	2.56	0.51
3/4"	2.03	2.36	3.70	2.56	0.75
1"	2.31	2.80	4.29	2.76	0.98
1-1/4"	2.48	2.99	4.72	3.27	1.25
1-1/2"	2.62	3.39	5.59	3.27	1.50
2"	2.89	4.02	6.42	3.62	1.97



Pictured
S-414
Cut-away view