



When **QUALITY,**
SERVICE and **PRICE**
MATTER MOST!

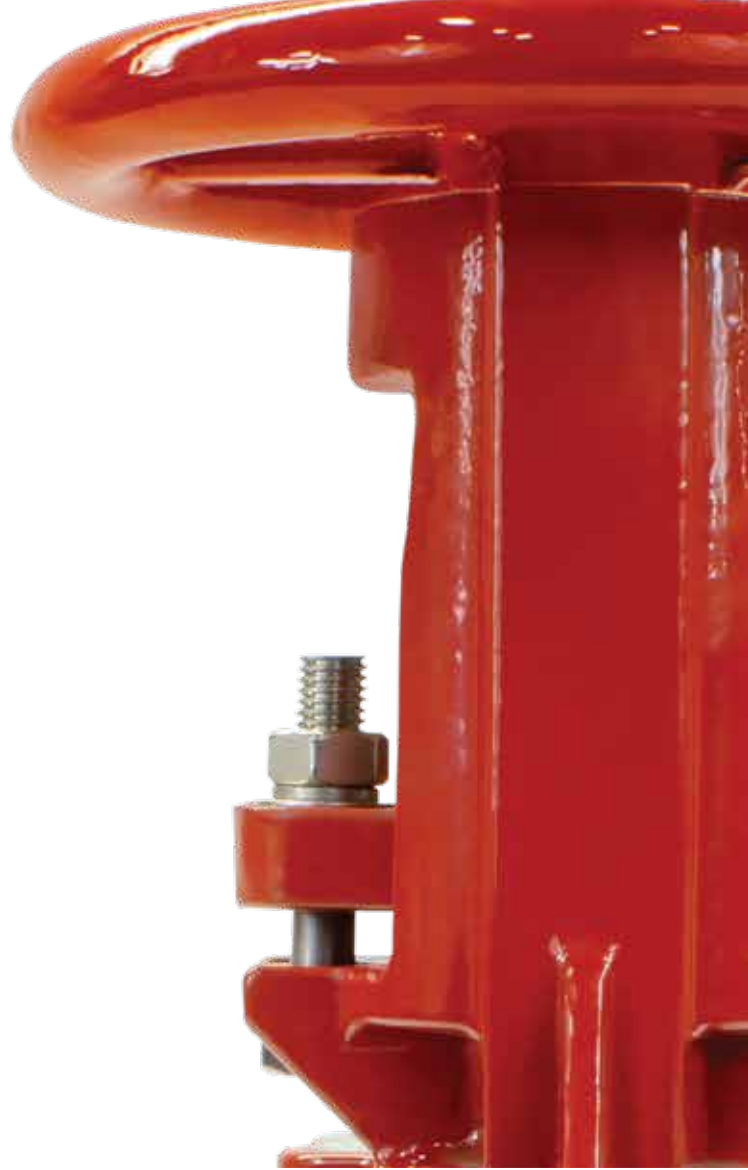
CATALOGUE

FIRE PROTECTION

COMMERCIAL CONSTRUCTION | FIRE PROTECTION | HVAC | IRRIGATION
MINING | WATER & WASTEWATER | OIL & GAS | POWER GENERATION



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About NCI Canada Inc.



About NCI Canada Inc.

Headquartered in the greater Toronto area, NCI Canada Inc. is an innovative, privately owned company that specializes in the development, manufacturing and distribution of high-quality valves, fittings, strainers and gauges. With over 20 years of industry experience, NCI Canada is recognized as one of Canada's leading master distributors of high-quality valves, fittings, strainers and gauges, and are proud to service wholesale, retail and OEM customers.

All NCI Canada high-quality valves, fittings, strainers and gauges are sold and supported through its network of authorized distributors and warehouses across Canada. NCI Canada stocks over 25,000 products within 150,000 sq feet of warehouse area in both central and western Canada.

With a large selection of high-quality valves, fittings,

strainers and gauges products, NCI Canada services the commercial construction, fire protection, HVAC, irrigation, pulp & paper, mining, water & wastewater, oil & gas, and power generation industries.

Our success in the high-quality valves, fittings, strainers and gauges industry is attributed primarily to our customer-centric team of sales personnel, service engineers and trained service staff that are collectively committed to providing quality products at a service and price you will come to love.

Contact NCI Canada today and discover the many ways we can help you and your organization with your high-quality valves, fittings, strainers and gauges needs.

Learn more at www.NCICanada.com

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(T/S)FP600



(T/S)FP600-LF

Code Index

TFP | 600 | LF | SS | 1"

1 2 3 4 5

1 Port & End Connection Design

TFP - Full Port with Threaded Ends

SFP - Full Port with Solder Ends

2 Body Style

600 - 2PC Forged Brass body, Reg. Packing Design

601 - 2PC Forged Brass body, Double 'O' ring Packing

620 - 2PC Bronze body, Reg. Packing Design

630 - 3PC Bronze body, Reg. Packing Design

3 Lead Free

LF - Certified to NSF-61 Annex G NSF / ANSI 372

4 Options

SS - Stainless Trim; **LL** - Locking Lever; **SD** - Side Drain;

WH - Wing Handle; **HC** - Hose End Cap & Chain;

MS - Memory Stop; **EHK** - Extended Handle Kit

5 Size

1/4", 3/8", 1/2", 3/4", 1", 1-1/4",

1-1/2", 2", 2-1/2", 3", 4"

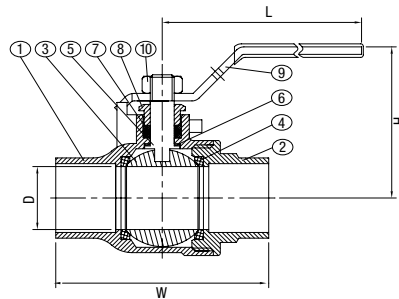
600 Series | Brass Ball Valve

Forged Brass Body | Full Port | Two-Piece

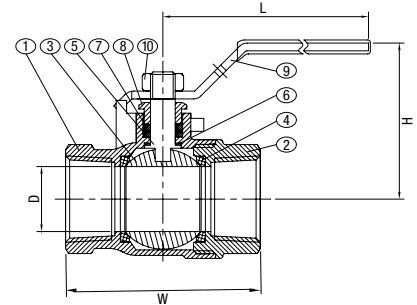
(T/S)FP600



Solder (C x C)



Threaded (NPT x NPT)



(T/S)FP600 Product Description

600 series multi-purpose forged shut-off valve for use in engineered hot and cold water systems, gas applications, compressed air services, and fire protection.

Working Pressure

- 1/4"–2": 600 PSI Non-Shock Cold Working Pressure (CWP)
- 2 1/2"–4": 400 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Solder
- Threaded (NPT)

Product Standards

- **Conforms to:** MSS SP-110.
- **cUL Approval:** Trim and Drain (300 PSI), Compressed Gas Shut-off Valves (600 PSI), Flammable Liquid Shut-off Valves (600 PSI), Gas Shut-off Valves (600 PSI), LP Gas Shut-off Valves (600 PSI), Manual Valves (600 PSI), CAN/CGAC 3.16 (1/2" through 2") 125 psig, AGA3-88 / CGA CR91-002 (1/4" through 2") 5 psig, 150 WSP.
- **FM Approval:** 600 PSI Rating.
- **NSF 61 Approval:** Obtained NSF61 Section 8 certificate through IAPMO, Compliant to Prop65 standard.
- **CSA Approval** (Threaded only): Pilot Adjustable National Standard of Canada. Class 3371- 08 Requirement Can1-91, Gas Lever Non Lubricated Shut-off Valve. Class 3371-10 Requirement

CGA-3.16, Manual Gas Valves on Piping Systems. Class 3371-12. Requirement CGA CR-9102, General Gas Valve US Standard. Class 3371-88. Requirement ANSI Z21.15, Gas Manual Valve House Piping System. Class 3371.92. Requirement IAS US Regulations 3.88, Manual Gas Valve Metallic in Piping System US Standards. Class 3371-94 Requirements ANSI/ASME B16.33. -20/150F.

SIZE DN	DIMENSIONS							
	L		D		H		W	
	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS
inch	inch	inch	inch	inch	inch	inch	inch	inch
1/4"	3.23	-	0.37	-	1.37	-	1.81	-
3/8"	3.23	-	0.37	-	1.37	-	1.81	-
1/2"	3.23	3.23	0.50	0.50	1.45	1.45	2.12	1.94
3/4"	3.94	3.94	0.75	0.75	1.78	1.78	2.41	2.73
1"	4.72	4.72	0.98	0.98	2.29	2.29	2.96	3.29
1 1/4"	4.72	4.72	1.22	1.22	2.44	2.44	3.28	3.74
1 1/2"	7.09	7.09	1.50	1.50	3.00	3.00	3.67	4.30
2"	7.09	7.09	1.97	1.97	3.30	3.30	4.21	5.31
2 1/2"	8.66	8.66	2.50	2.50	4.59	4.59	5.38	6.29
3"	8.66	8.66	3.00	3.00	4.92	4.92	6.06	7.19
4"	9.84	9.84	3.98	3.98	5.73	5.73	7.39	9.26

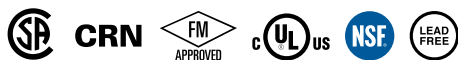
MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Forged Brass	ASTM B124 C37700
2	End Cap	Forged Brass	ASTM B124 C37700
3	Seat	PTFE	-
4	Ball	Copper Alloy	-
5	Stem	Copper Alloy	-
6	Thrust Washer	PTFE	-
7	Stem Packing	PTFE	-
8	Gland	Copper Alloy	-
9	Handle	Carbon Steel Plated	-
10	Nut	Carbon Steel Plated	-

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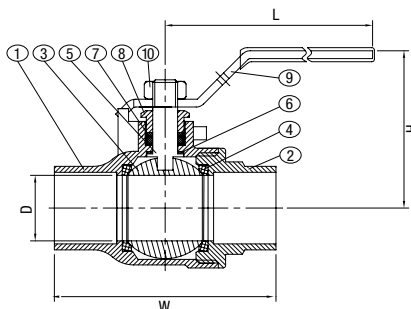
(T/S)FP600-LF

600 Series | Brass Ball Valve

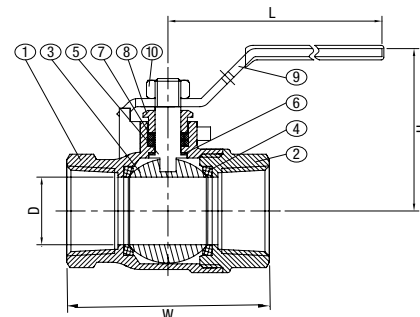
Forged Brass Body | Full Port | Two-Piece | Lead Free



Solder (C x C)



Threaded (NPT x NPT)



(T/S)FP600-LF Product Description

600 series multi-purpose forged shut-off valve for use in engineered hot and cold water systems, gas applications, compressed air services, and fire protection.

Working Pressure

- 600 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Solder
- Threaded (NPT)

Product Standards

- **Conforms to:** MSS SP-110.
- **cUL Approval:** Trim and Drain (300 PSI), Compressed Gas Shut-off Valves (300 PSI), Flammable Liquid Shut-off Valves (300 PSI), Gas Shut-off Valves (300 PSI), LP Gas Shut-off Valves (300 PSI), Manual Valves (300 PSI).
- **FM Approval:** 600 PSI Rating.

- **NSF/ANSI 61 (ANNEX G), NSF/ANSI 372 Approval:** Obtained NSF61 Section 8 certificate through IAPMO, Compliant to Prop65 standard.
- **Compliance with California Lead Plumbing Law:** AB1953 and certified to ANSI/NSF372.
- **CSA Approval (Threaded only):** Pilot Adjustable National Standard of Canada. Class 3371- 08 Requirement Can1-91, Gas Lever Non Lubricated

Shut-off Valve. Class 3371-1 Requirement CGA-3.16, Manual Gas Valves on Piping Systems. Class 3371-12. Requirement CGA CR-9102, General Gas Valve US Standard. Class 3371-88. Requirement ANSI Z21.15, Gas Manual Valve House Piping System. Class 3371.92 Requirement IAS US Regulations 3.88, Manual Gas Valve Metallic in Piping System US Standards. Class 3371-94 Requirements ANSI/ASME B16.33.-20/150F.

DIMENSIONS

SIZE DN	L		D		H		W	
	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS	THREADED ENDS	SOLDER ENDS
	inch	inch	inch	inch	inch	inch	inch	inch
1/4"	3.23	-	0.37	-	1.37	-	1.81	-
3/8"	3.23	-	0.37	-	1.37	-	1.81	-
1/2"	3.23	3.23	0.50	0.50	1.45	1.45	2.12	1.94
3/4"	3.94	3.94	0.75	0.75	1.78	1.78	2.41	2.73
1"	4.72	4.72	0.98	0.98	2.29	2.29	2.96	3.29
1 1/4"	4.72	4.72	1.22	1.22	2.44	2.44	3.28	3.74
1 1/2"	7.09	7.09	1.50	1.50	3.00	3.00	3.67	4.30
2"	7.09	7.09	1.97	1.97	3.30	3.30	4.21	5.31

MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Body	Lead-Free Brass	-
2	End Cap	Lead-Free Brass	-
3	Ball	Lead-Free Brass, Chrome Plated	-
4	Seat	PTFE	-
5	Stem	Copper Alloy	-
6	Thrust Washer	PTFE	-
7	Stem Packing	PTFE	-
8	Gland	Copper Alloy	-
9	Handle	Carbon Steel Plated	-
10	Nut	Carbon Steel Plated	-

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BFVA-(TB/GB)3941



BFVAX-GD3551-TM2



BFVX-GD3551-CTM2



BFVAX-WD3551-TM2



BFVAX-WD3551-CTM2

Code Index

CKVA | G | T | BZ | 2 | 3 | 7 | 1 | SN

1

2

3

4

5

6

7

8

9

1 Category

GTVA - Gate Valve OS&Y; **GTVB** - Gate Valve NRS;
GLBA - Globe Valve (Straight Body); **GLBB** - Globe Valve (Angle Body); **BFVA** - Butterfly Valve; **CKVA** - Check Valve (Swing); **CKVB** - Check Valve (Lift); **CKVC** - Check Valve (Double door)

2 PD Index Code

3 Connection

F - F x F (ANSI Flange); **G** - G x G Grooved; **T** - T (Threaded); **C** - F X G (ANSI Flange); **M** - MJ x MJ; **E** - F x MJ; **W** - Wafer; **L** - Lug;

4 Material

DI - Ductile Iron; **CI** - Cast Iron; **CS** - Cast Steel; **SS** - Stainless Steel; **BZ** - Bronze; **BS** - Brass

5 Pressure Rating

2 - 150#; **4** - 200#; **3** - 300#; **5** - 250#; **8** - 350#

6 Seat/Body Material

1 - Ductile Iron; **2** - Cast Iron; **3** - Bronze; **5** - Epoxi; **8** - Polyamide; **9** - Viton

7 Disc Material

0 - Brass; **1** - Ductile Iron; **2** - Cast Iron; **3** - A.I. Bronze; **4** - Stainless Steel; **5** - EPDM; **6** - PTFE; **7** - Bunna N

8 Stem Material

1 - Stainless Steel; **3** - Bronze

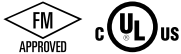
9 Accessories

HW - Handwheel; **SN** - Square Nut; **GO** - Gear Operated; **LR** - Lever; **TM2** - Temp. Switch S/O; **CTM-2** - Temp. Switch S/C;

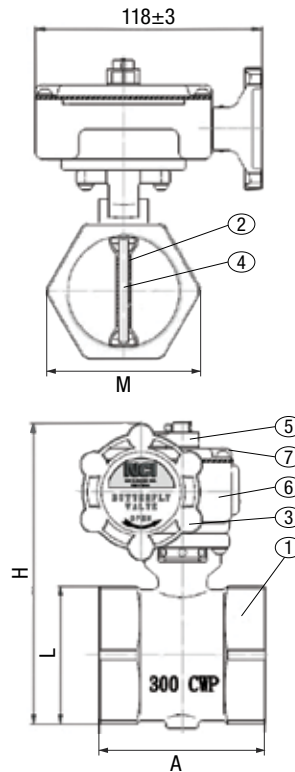
BFVA-(TB/GB)3941

300 PSI CWP | Bronze Butterfly Valve

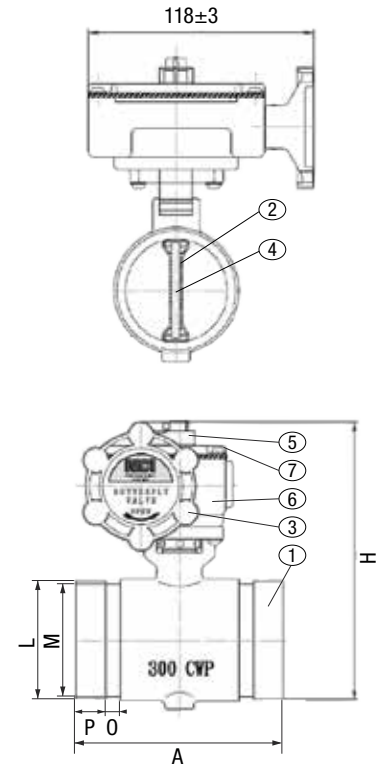
Bronze Body | Full Port | Viton Seat | Grooved & NTP Ends



Threaded (NPT x NPT)



Grooved (GRV x GRV)



BFVA-(TB/GB)3941 Product Description

300 PSI CWP butterfly valve, bronze body, stainless steel disc, viton seat seal, full port, gear operator with flag indicator, also includes two external supervisory switches.

Working Pressure

• 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

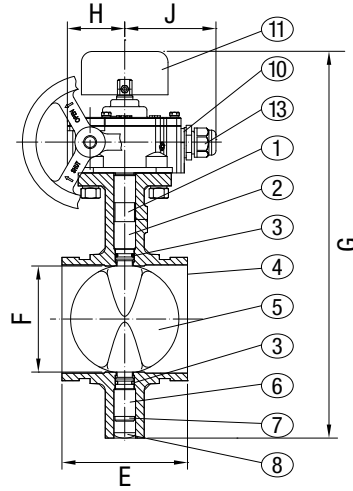
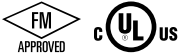
• 1"-2½": Threaded (NPT)*
• 1¼"-2½": Grooved

* 1" Valve with NPT ends is listed with UL and FM only.

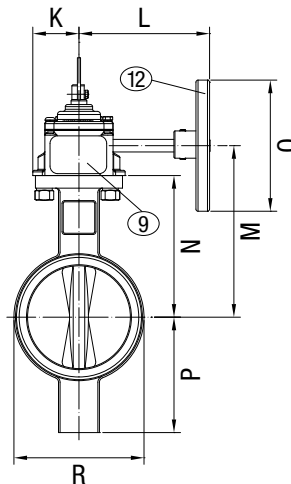
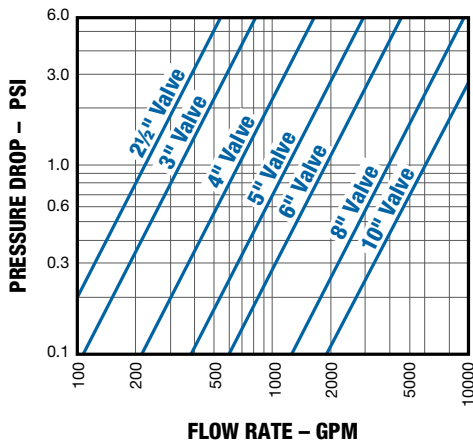
DIMENSIONS											
SIZE	H		A		L	L	M	M	P	O	ISO 5211
	NTP	GRV	NTP	GRV	NTP	GRV	NTP	GRV	GRV	GRV	
1"	129.0	-	54.0	-	39.7	-	44.5	-	-	-	F04/F05
1¼"	137.9	138.9	66.7	98	49.2	42.4±0.41	55.0	38.99±0.38	15.88	7.95	F04/F05
1½"	145.9	145.9	73.0	102	55.6	48.3±0.48	60.3	45.09±0.38	15.88	7.95	F04/F05
2"	159.8	159.0	82.6	104	70.0	60.3±0.61	79.0	57.15±0.38	15.88	7.95	F04/F05
2½"	175.5	175.5	114.0	114	86.5	73.0±0.74	96.0	69.09±0.38	15.88	7.95	F04/F05

MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Bronze	ASTM B62 C83600
2	Disc	Stainless Steel	ANSI 304
3	Handwheel	WCB	ASTM A216
4	Disc Seal	Viton	ASTM D200
5	Indicator	Powder Metal	-
6	Housing	Forged Brass	-
7	Cover	Forged Brass	-

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Pressure Drop / Flow Rate



MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Upper Stem	Stainless Steel	ASTM A 276 Type 420
2	Upper Bearing	PTFE Bronze Sintered on Steel	-
3	O-Ring	EPDM	-
4	Body	Ductile Iron Epoxy Coated	ASTM A 395
5	Disc	Ductile Iron with EPDM	ASTM A 395
6	Lower Bearing	PTFE Bronze Sintered on Steel	-
7	Lower Stem	Stainless Steel	ASTM A 276 Type 420
8	Dust Plug	PVC	-
9	Name Plate	Stainless Steel	-
10	Gear Operator	Cast Iron and Steel	-
11	Indicator Flag	Steel	-
12	Handwheel	Cast Iron	-
13	Cable Gland	Nylon	-

BFVAX-GD3551-TM2 Product Description

300 PSI grooved style butterfly valve, epoxy coated ductile iron body, normally open position monitored, EPDM encapsulated ductile iron disc, comes with 2 internal supervisory switches. FM Approved and UL/ULC listed for INDOOR and OUTDOOR service.

Working Pressure

• 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

• Grooved

DIMENSIONS

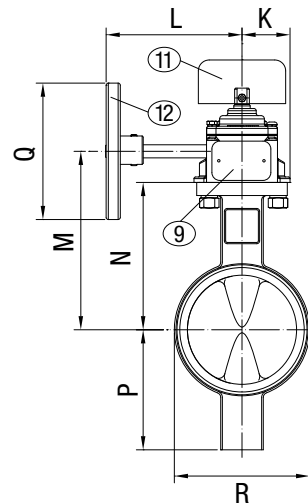
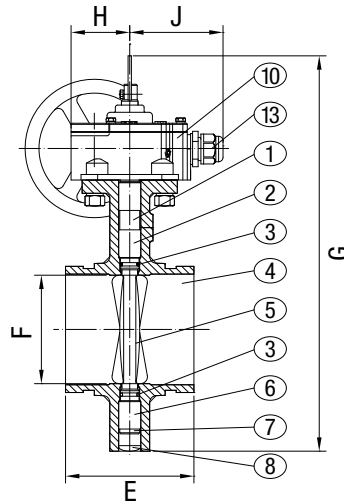
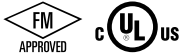
SIZE	O.D.	E		F		G		H		J		K		L		M		N		P		Q		R		WEIGHT	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2 1/2"	73.0	3.85	98	2.40	61	11.22	285	2.09	53	3.35	85	1.73	44	4.92	125	4.92	125	3.78	96	2.95	75	4.25	108	3.35	85	10.8	4.9
3" OD	76.1	3.85	98	2.40	61	11.22	285	2.09	53	3.35	85	1.73	44	4.92	125	4.92	125	3.78	96	2.95	75	4.25	108	3.35	85	11.0	5.0
3"	88.9	3.85	98	2.87	73	12.20	310	2.09	53	3.35	85	1.73	44	4.92	125	5.28	134	4.13	105	3.54	90	4.25	108	3.82	97	12.3	5.6
4"	114.3	4.56	116	3.86	98	14.17	360	2.09	53	3.35	85	1.73	44	4.92	125	6.46	164	5.31	135	4.33	110	4.92	125	4.88	124	17.3	7.9
5 1/2" OD	139.7	5.86	149	4.80	122	15.35	390	2.99	76	3.35	92	1.85	47	6.62	168	7.17	182	5.83	148	5.00	127	5.90	150	6.10	155	29.8	13.5
5"	141.3	5.86	149	4.80	122	15.35	390	2.99	76	3.62	92	1.85	47	6.62	168	7.17	182	5.83	148	5.00	127	5.90	150	6.10	155	29.8	13.5
6 1/2" OD	165.1	5.86	149	5.75	146	16.73	425	2.99	76	3.62	92	1.85	47	6.62	168	7.83	199	6.50	165	5.71	145	5.90	150	7.20	183	34.0	15.4
6"	168.3	5.86	149	5.75	146	16.73	425	2.99	76	3.62	92	1.85	47	6.62	168	7.83	199	6.50	165	5.71	145	5.90	150	7.20	183	33.1	15.0
8"	219.1	5.27	134	7.72	196	19.41	493	2.99	76	3.62	92	1.85	47	6.62	168	9.37	238	8.03	204	6.89	175	5.90	150	9.29	236	45.0	20.4
10"	273.0	6.30	160	9.57	243	22.76	578	3.74	95	3.94	100	2.60	66	9.45	240	11.18	284	9.65	245	8.27	210	9.84	250	11.38	289	79.7	36.2

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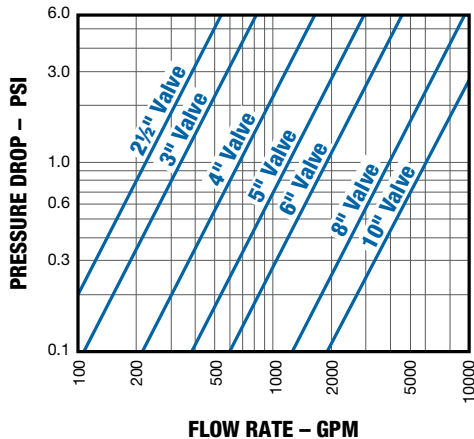
BFVAX-GD3551-CTM2

300 PSI CWP | Grooved Style Butterfly Valve

Ductile Iron Body | Normally Closed | Grooved Ends



Pressure Drop / Flow Rate



MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Upper Stem	Stainless Steel	ASTM A 276 Type 420
2	Upper Bearing	PTFE Bronze Sintered on Steel	-
3	O-Ring	EPDM	-
4	Body	Ductile Iron Epoxy Coated	ASTM A 395
5	Disc	Ductile Iron with EPDM	ASTM A 395
6	Lower Bearing	PTFE Bronze Sintered on Steel	-
7	Lower Stem	Stainless Steel	ASTM A 276 Type 420
8	Dust Plug	PVC	-
9	Name Plate	Stainless Steel	-
10	Gear Operator	Cast Iron and Steel	-
11	Indicator Flag	Steel	-
12	Handwheel	Cast Iron	-
13	Cable Gland	Nylon	-

BFVX-GD3551-CTM2 Product Description

300 PSI grooved style butterfly valve, epoxy coated ductile iron body, normally closed position monitored, EPDM encapsulated ductile iron disc, comes with 2 internal supervisory switches. FM Approved and UL/ULC listed for INDOOR and OUTDOOR service.

Working Pressure

• 300 PSI Non-Shock Cold Working Pressure (CWP)

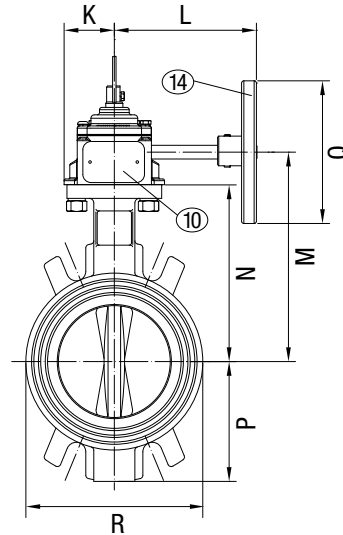
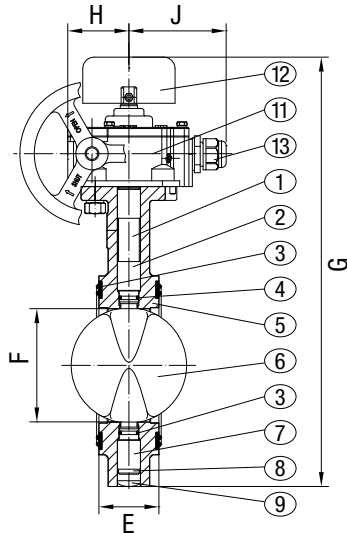
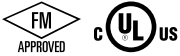
End Connection

• Grooved

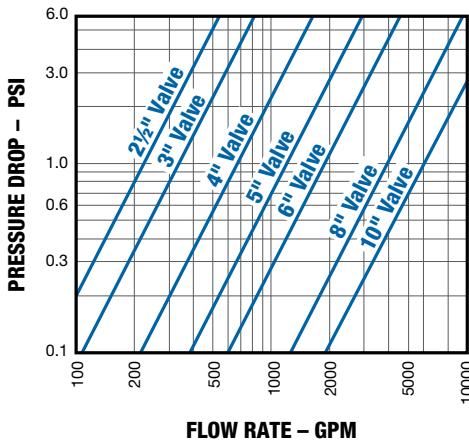
DIMENSIONS

SIZE	O.D.	E		F		G		H		J		K		L		M		N		P		Q		R		WEIGHT	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2 1/2"	73.0	3.85	98	2.40	61	11.22	285	2.09	53	3.35	85	1.73	44	4.92	125	4.92	125	3.78	96	2.95	75	4.25	108	3.35	85	10.8	4.9
3" OD	76.1	3.85	98	2.40	61	11.22	285	2.09	53	3.35	85	1.73	44	4.92	125	4.92	125	3.78	96	2.95	75	4.25	108	3.35	85	11.0	5.0
3"	88.9	3.85	98	2.87	73	12.20	310	2.09	53	3.35	85	1.73	44	4.92	125	5.28	134	4.13	105	3.54	90	4.25	108	3.82	97	12.3	5.6
4"	114.3	4.56	116	3.86	98	14.17	360	2.09	53	3.35	85	1.73	44	4.92	125	6.46	164	5.31	135	4.33	110	4.92	125	4.88	124	17.3	7.9
5 1/2" OD	139.7	5.86	149	4.80	122	15.35	390	2.99	76	3.35	92	1.85	47	6.62	168	7.17	182	5.83	148	5.00	127	5.90	150	6.10	155	29.8	13.5
5"	141.3	5.86	149	4.80	122	15.35	390	2.99	76	3.62	92	1.85	47	6.62	168	7.17	182	5.83	148	5.00	127	5.90	150	6.10	155	29.8	13.5
6 1/2" OD	165.1	5.86	149	5.75	146	16.73	425	2.99	76	3.62	92	1.85	47	6.62	168	7.83	199	6.50	165	5.71	145	5.90	150	7.20	183	34.0	15.4
6"	168.3	5.86	149	5.75	146	16.73	425	2.99	76	3.62	92	1.85	47	6.62	168	7.83	199	6.50	165	5.71	145	5.90	150	7.20	183	33.1	15.0
8"	219.1	5.27	134	7.72	196	19.41	493	2.99	76	3.62	92	1.85	47	6.62	168	9.37	238	8.03	204	6.89	175	5.90	150	9.29	236	45.0	20.4
10"	273.0	6.30	160	9.57	243	22.76	578	3.74	95	3.94	100	2.60	66	9.45	240	11.18	284	9.65	245	8.27	210	9.84	250	11.38	289	79.7	36.2

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Pressure Drop / Flow Rate



MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Upper Stem	Stainless Steel	ASTM A 276 Type 420
2	Upper Bearing	PTFE Bronze Sintered on Steel	-
3	Body Gasket	EPDM	-
4	O-Ring	EPDM	-
5	Body	Ductile Iron Epoxy Coated	ASTM A 395
6	Disc	Ductile Iron with EPDM	ASTM A 395
7	Lower Bearing	PTFE Bronze Sintered on Steel	-
8	Lower Stem	Stainless Steel	ASTM A 276 Type 420
9	Dust Plug	PVC	-
10	Name Plate	Stainless Steel	-
11	Gear Operator	Cast Iron and Steel	-
12	Indicator Flag	Steel	-
13	Cable gland	Nylon	-
14	Handwheel	Cast Iron	-

BFVAX-WD3551-TM2 Product Description

300 PSI wafer style butterfly valve, epoxy coated ductile iron body, normally open position monitored, EPDM encapsulated ductile iron disc, comes with 2 internal supervisory switches. Conforms to MSS SP-67. FM Approved and UL/ULC listed for INDOOR and OUTDOOR service.

Working Pressure

• 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

• Wafer

DIMENSIONS

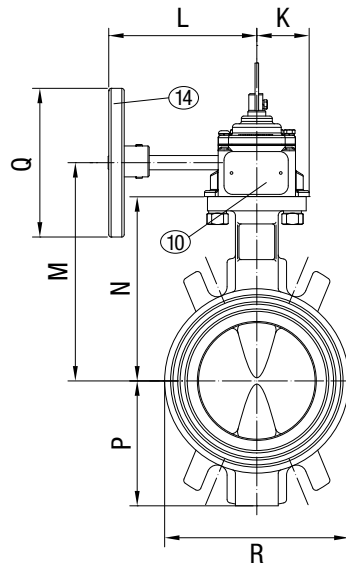
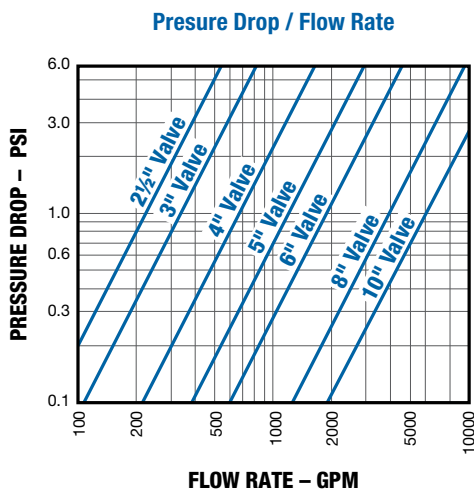
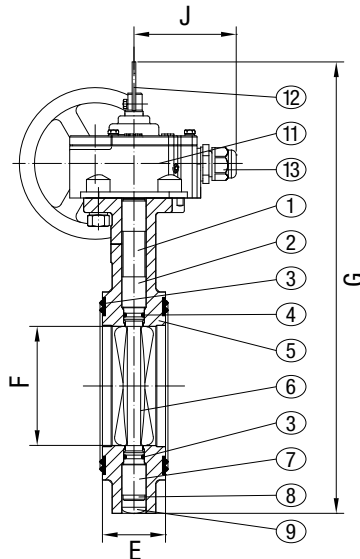
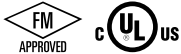
SIZE	E		F		G		H		J		K		L		M		N		P		Q		R		WEIGHT	
inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2 1/2"	1.81	46	2.40	61	12.36	314	2.09	53	3.35	85	1.73	44	4.92	125	6.06	154	4.96	126	2.95	75	4.25	108	3.35	85	85	4.9
3"	1.81	46	2.87	73	13.27	337	2.09	53	3.35	85	1.73	44	4.92	125	6.42	163	5.31	135	3.54	90	4.25	108	3.82	97	97	5.5
4"	2.05	52	3.86	98	14.68	373	2.09	53	3.35	85	1.73	44	4.92	125	7.20	183	6.02	155	4.13	105	4.92	125	4.88	124	124	7.1
5"	2.20	56	4.80	122	16.14	410	2.99	76	3.62	92	1.85	47	6.62	168	8.15	207	6.81	173	4.80	122	5.90	150	6.10	155	-	-
6"	2.20	56	5.75	146	17.13	435	2.99	76	3.62	92	1.85	47	6.62	168	8.62	219	7.28	185	5.31	135	5.90	150	7.20	183	183	12.9
8"	2.36	60	7.72	196	19.44	494	2.99	76	3.62	92	1.85	47	6.62	168	9.76	248	8.42	214	6.49	165	5.90	150	9.29	236	236	19.1

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BFVAX-WD3551-CTM2

300 PSI CWP | Wafer Style Butterfly Valve

Ductile Iron Body | Normally Closed | Wafer Style



MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Upper Stem	Stainless Steel	ASTM A 276 Type 420
2	Upper Bearing	PTFE Bronze Sintered on Steel	-
3	Body Gasket	EPDM	-
4	O-Ring	EPDM	-
5	Body	Ductile Iron Epoxy Coated	ASTM A 395
6	Disc	Ductile Iron with EPDM	ASTM A 395
7	Lower Bearing	PTFE Bronze Sintered on Steel	-
8	Lower Stem	Stainless Steel	ASTM A 276 Type 420
9	Dust Plug	PVC	-
10	Name Plate	Stainless Steel	-
11	Gear Operator	Cast Iron and Steel	-
12	Indicator Flag	Steel	-
13	Cable gland	Nylon	-
14	Handwheel	Cast Iron	-

BFVAX-WD3551-CTM2 Product Description

300 PSI wafer style butterfly valve, epoxy coated ductile iron body, normally closed position monitored, EPDM encapsulated ductile iron disc, comes with 2 internal supervisory switches. Conforms to MSS SP-67. FM Approved and UL/ULC listed for INDOOR and OUTDOOR service.

Working Pressure

• 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

• Wafer

DIMENSIONS

SIZE	E		F		G		H		J		K		L		M		N		P		Q		R		WEIGHT	
inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2 1/2"	1.81	46	2.40	61	12.36	314	2.09	53	3.35	85	1.73	44	4.92	125	6.06	154	4.96	126	2.95	75	4.25	108	3.35	85	85	4.9
3"	1.81	46	2.87	73	13.27	337	2.09	53	3.35	85	1.73	44	4.92	125	6.42	163	5.31	135	3.54	90	4.25	108	3.82	97	97	5.5
4"	2.05	52	3.86	98	14.68	373	2.09	53	3.35	85	1.73	44	4.92	125	7.20	183	6.02	155	4.13	105	4.92	125	4.88	124	124	7.1
5"	2.20	56	4.80	122	16.14	410	2.99	76	3.62	92	1.85	47	6.62	168	8.15	207	6.81	173	4.80	122	5.90	150	6.10	155	-	-
6"	2.20	56	5.75	146	17.13	435	2.99	76	3.62	92	1.85	47	6.62	168	8.62	219	7.28	185	5.31	135	5.90	150	7.20	183	183	12.9
8"	2.36	60	7.72	196	19.44	494	2.99	76	3.62	92	1.85	47	6.62	168	9.76	248	8.42	214	6.49	165	5.90	150	9.29	236	236	19.1

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GTVAG-FDI3151-HW



GTVAG-GDI3151-HW



GTVBG-FDI3151-SN



GTVBG-CDI3151-SN

Code Index

CKVA | G | T | BZ | 2 | 3 | 7 | 1 | SN

1 2 3 4 5 6 7 8 9

1 Category

GTVA - Gate Valve OS&Y; **GTVB** - Gate Valve NRS;
GLBA - Globe Valve (Straight Body); **GLBB** - Globe Valve (Angle Body); **BFVA** - Butterfly Valve; **CKVA** - Check Valve (Swing); **CKVB** - Check Valve (Lift); **CKVC** - Check Valve (Double door)

2 PD Index Code

3 Connection

F - F x F (ANSI Flange); **G** - G x G Grooved; **T** - T (Threaded); **C** - F X G (ANSI Flange); **M** - MJ x MJ; **E** - F x MJ; **W** - Wafer; **L** - Lug;

4 Material

DI - Ductile Iron; **CI** - Cast Iron; **CS** - Cast Steel; **SS** - Stainless Steel; **BZ** - Bronze; **BS** - Brass

5 Pressure Rating

2 - 150#; **4** - 200#; **3** - 300#; **5** - 250#; **8** - 350#

6 Seat/Body Material

1 - Ductile Iron; **2** - Cast Iron; **3** - Bronze; **5** - Epoxi; **8** - Polyamide; **9** - Viton

7 Disc Material

0 - Brass; **1** - Ductile Iron; **2** - Cast Iron; **3** - A.I. Bronze; **4** - Stainless Steel; **5** - EPDM; **6** - PTFE; **7** - Bunna N

8 Stem Material

1 - Stainless Steel; **3** - Bronze

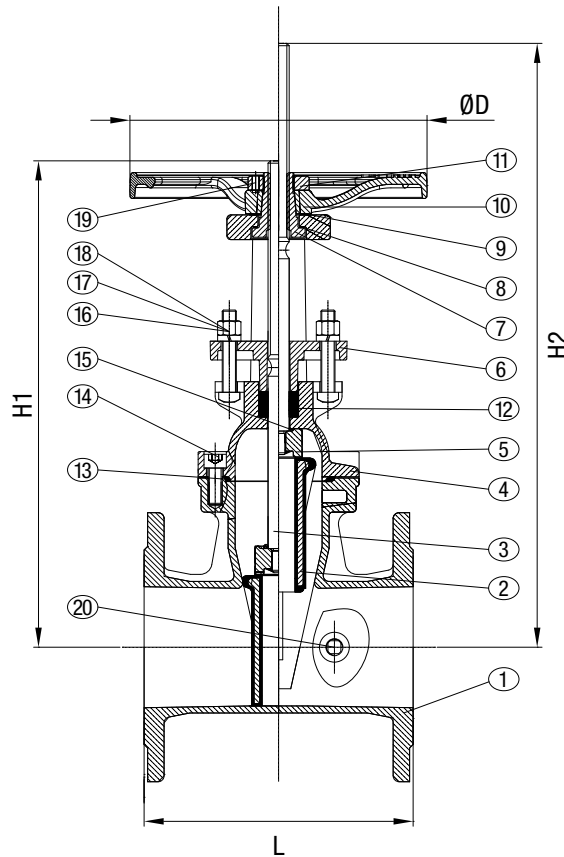
9 Accessories

HW - Handwheel; **SN** - Square Nut; **GO** - Gear Operated; **LR** - Lever; **TM2** - Temp. Switch S/O; **CTM-2** - Temp. Switch S/C;

GTVAG-FDI3151-HW

300 PSI CWP | Ductile Iron Gate Valve

Ductile Iron Body | Flanged Ends | OS&Y Type | Lead Free



DIMENSIONS					
SIZE	L		H1	H2	ØD
inch	mm	inch	mm	mm	mm
2"	178	7.00	337	411	183
2½"	191	7.50	337	411	183
3"	203	8.00	376	462	253
4"	229	9.00	414	514	253
5"	254	10.00	497	629	306
6"	267	10.50	561	709	306
8"	292	11.50	714	922	355
10"	330	13.00	856	1116	445
12"	356	14.00	993	1300	445
14"	381	15.00	1205	1577	508
16"	406	16.00	1383	1800	558
18"	432	17.00	1574	2048	610
20"	457	18.00	1760	2297	610
24"	508	20.00	1978	2600	762

MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	A536 65-45-12
2	Wedge Disc	EPDM	ASTM A536 65-45-12
3	Stem	Stainless Steel	AISI 304/302
4	Bonnet	Ductile Iron	A536 65-45-12
5	Disc Nut	-	ASTM A351 CF8
6	Gland	-	ASTM A536 65-45-12
7	Stem Nut	-	ASTM B62
8	Stem Nut Washer	-	ASTM B16
9	Handwheel Washer	-	ASTM B16
10	Handwheel	-	ASTM A536 65-45-12
11	Handwheel Nut	Carbon Steel Galvanization	-
12	Packing	PTFE	-
13	Gasket	EPDM	Commercial
14	Hex Screw	-	GR 8.8
15	O-Ring	EPDM	Commercial
16	Nut	Stainless Steel	ASTM SS304
17	Sq. Bolt	Stainless Steel	ASTM SS304
18	Spring Washer	Stainless Steel	ASTM SS304
19	Hex Screw	Stainless Steel	ASTM SS304
20	Plug	Stainless Steel	ASTM SS304

GTVAG-FDI3151-HW Product Description

300 PSI CWP fire protection gate valve, outside screw and yoke (OS&Y) design, epoxy coated ductile iron body, with ANSI Class 125 / 150 flanged ends, EPDM encapsulated resilient wedge, and stainless steel stem. NSF/ANSI 372 Certified lead free for potable water applications.

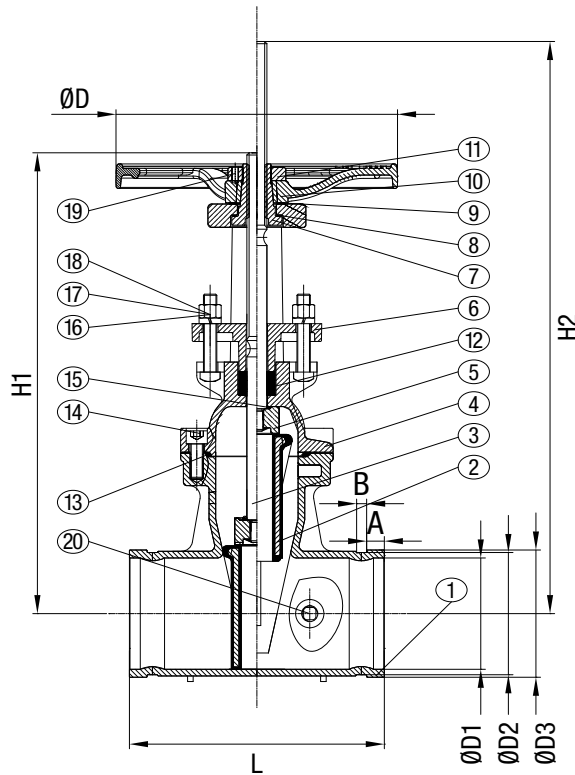
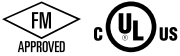
Working Pressure & Temperature

- 2"–12": 300 PSI Non-Shock Cold Working Pressure (CWP)
- 14"–18": 250 PSI Non-Shock CWP
- 20"–24": 200 PSI Non-Shock CWP
- -10°C–85°C

Standard

- Conforms to AWWA C515
- ANSI B16.10 class 125/150 face to face dimension
- Lead free certified to NSF/ANSI 372
- UL/ULC Listed and FM Approved
- Flange dimension conforms to ANSI/ASME B16.5 Class 125/150

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MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	A536 65-45-12
2	Wedge Disc	EPDM	ASTM A536 65-45-12
3	Stem	Stainless Steel	AISI 304/302
4	Bonnet	Ductile Iron	A536 65-45-12
5	Disc Nut	-	ASTM A351 CF8
6	Gland	-	ASTM A536 65-45-12
7	Stem Nut	-	ASTM B62
8	Stem Nut Washer	-	ASTM B16
9	Handwheel Washer	-	ASTM B16
10	Handwheel	-	ASTM A536 65-45-12
11	Handwheel Nut	Carbon Steel Galvanization	-
12	Packing	PTFE	-
13	Gasket	EPDM	Commercial
14	Hex Screw	-	GR 8.8
15	O-Ring	EPDM	Commercial
16	Nut	Stainless Steel	ASTM SS304
17	Sq. Bolt	Stainless Steel	ASTM SS304
18	Spring Washer	Stainless Steel	ASTM SS304
19	Hex Screw	Stainless Steel	ASTM SS304
20	Plug	Stainless Steel	ASTM SS304

GTVAG-FDI3151-HW Product Description

300 PSI CWP fire protection gate valve, outside screw and yoke (OS&Y) design, epoxy coated ductile iron body, with grooved ends designed to AWWA C606, EPDM encapsulated resilient wedge, and stainless steel stem.

Working Pressure & Temperature

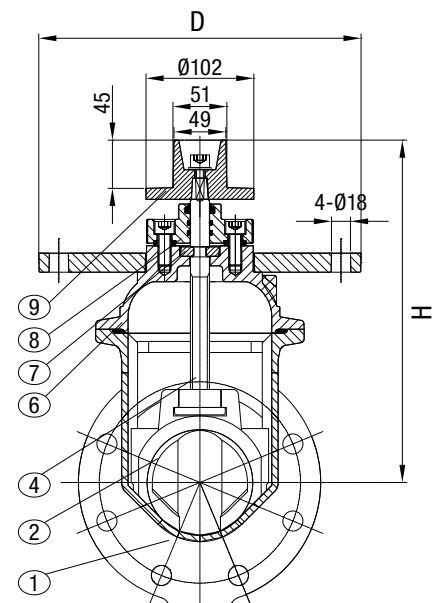
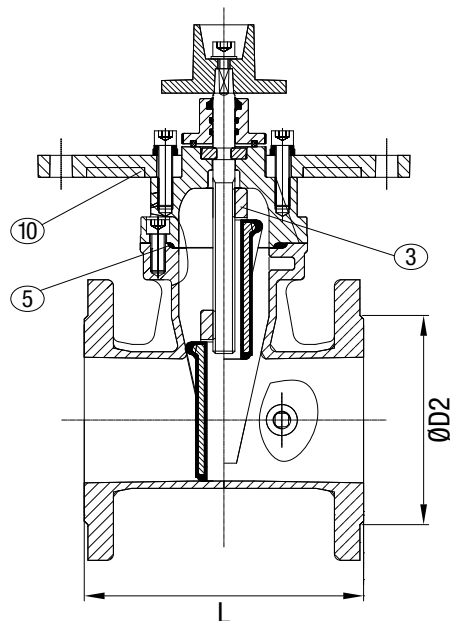
- 2"-12": 300 PSI Non-Shock Cold Working Pressure (CWP)
- -10°C-85°C

Standard

- Conforms to AWWA C515
- Grooved ends conform to AWWA C606
- UL/ULC Listed and FM Approved

DIMENSIONS										
SIZE	L		H1	H2	ØD	A	B	ØD1	ØD2	ØD3
inch	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm
2"	178	7.00	337	411	183	15.9	8	50	57	60.3
2½"	191	7.50	337	411	183	15.9	8	65	68.9	73
3"	203	8.00	376	462	253	15.9	8	80	84.7	88.9
4"	229	9.00	414	514	253	15.9	9.5	100	109.8	114.3
5"	254	10.00	497	629	306	15.9	9.5	125	136.8	141.3
6"	267	10.50	561	709	306	15.9	9.5	150	163.7	168.3
8"	292	11.50	714	922	355	19	11	200	214.1	219.1
10"	330	13.00	856	1116	445	19	12.7	250	268	273
12"	356	14.00	993	1300	445	19	12.7	300	317.9	323.9

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GTVBG-FDI-5151-SN Product Description

300 PSI CWP fire protection gate valve, non-rising stem design, epoxy coated ductile iron body, with ANSI Class 125 / 150 flanged ends, EPDM encapsulated resilient wedge, and stainless steel stem. NSF/ANSI 372 Certified lead free for potable water applications.

Working Pressure & Temperature

- 2"–12": 300 PSI Non-Shock Cold Working Pressure (CWP)
- 14"–18": 250 PSI Non-Shock CWP
- 20"–24": 200 PSI Non-Shock CWP
- -10°C–85°C

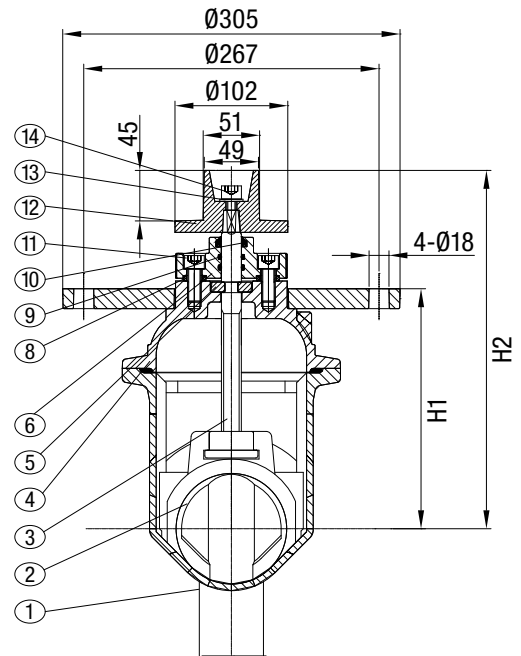
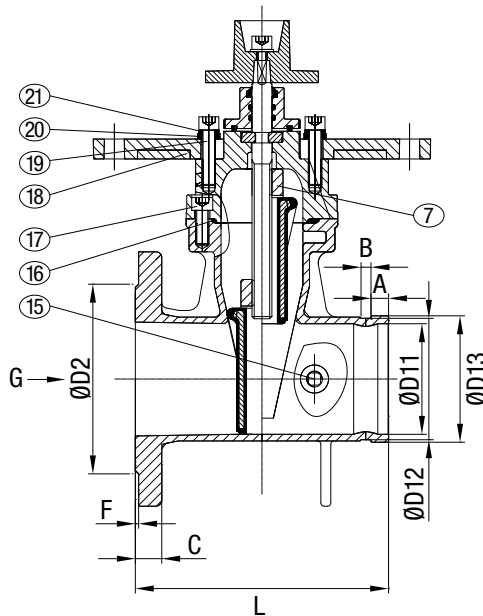
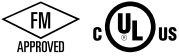
Standard

- Conforms to AWWA C515
- ANSI B16.10 class 125/150 face to face dimension
- Lead free certified to NSF/ANSI 372
- UL/ULC Listed and FM Approved
- Flange dimension conforms to ANSI/ASME B16.5 Class 125/150

DIMENSIONS						
SIZE	L		H		D	
inch	mm	inch	mm	inch	mm	inch
2"	178	7.00	279	10.98	305	12.01
2½"	191	7.50	279	10.98	305	12.01
3"	203	8.00	305	12.01	305	12.01
4"	229	9.00	324	12.76	305	12.01
5"	254	10.00	394	15.51	305	12.01
6"	267	10.50	428	16.85	305	12.01
8"	292	11.50	537	21.14	305	12.01
10"	330	13.00	640	25.20	305	12.01
12"	356	14.00	723	28.46	305	12.01
14"	381	15.00	862	33.94	305	12.01
16"	406	15.98	938	36.93	305	12.01
18"	432	17.01	1057	41.61	305	12.01
20"	457	17.99	1142	44.96	305	12.01
24"	508	20.00	1295	50.98	305	12.01

MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	A536 65-45-12
2	Wedge Disc	Ductile Iron EPDM Coated	-
3	Disc Nut	Bronze	ASTM B62
4	Stem	Stainless Steel	AISI 304/302
5	Gasket	EPDM	Commercial
6	Bonnet	Ductile Iron	A536 65-45-12
7	Thrust Collar	Bronze	ASTM B62
8	Gland	Ductile Iron	A536 65-45-12
9	Wrench Nut	Ductile Iron	A536 65-45-12
10	Post Plate	Ductile Iron	A536 65-45-12

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GTVBG-CDI3151-SN Product Description

300 PSI CWP fire protection gate valve, non-rising stem design, epoxy coated ductile iron body, with ANSI 125 / 150 flange and grooved ends, EPDM encapsulated resilient wedge, and stainless steel stem.

Working Pressure & Temperature

- 2"–12": 300 PSI Non-Shock Cold Working Pressure (CWP)
- -10°C–85°C

Standard

- Conforms to AWWA C515
- Flanged end conforms to ANSI B16.5 Class 125/150
- Grooved end conforms to AWWA C606
- UL/ULC Listed and FM Approved

DIMENSIONS

SIZE	L		H1	H2	C	ØD2	F	N
inch	mm	inch	mm	mm	mm	mm	mm	mm
2"	178	7.00	173	279	14.9	92.1	2	4
2½"	191	7.50	173	279	16.5	104.8	2	4
3"	203	8.00	193	305	18	127	2	4
4"	229	9.00	217	324	22.8	157.2	2	8
5"	254	10.00	278	394	22.8	185.7	2	8
6"	267	10.50	312	428	24.4	215.9	2	8
8"	292	11.50	397	537	27.6	269.9	2	8
10"	330	13.00	492	640	29.2	323.8	2	12
12"	356	14.00	578	723	30.8	381	2	12

MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	A536 65-45-12
2	Wedge Disc	EPDM	ASTM A536 65-45-12
3	Stem	Stainless Steel	AISI 304/302
4	Bonnet	Ductile Iron	A536 65-45-12
5	Disc Nut	-	ASTM A351 CF8
6	Gland	-	ASTM A536 65-45-12
7	Stem Nut	-	ASTM B62
8	Stem Nut Washer	-	ASTM B16
9	Handwheel Washer	-	ASTM B16
10	Handwheel	-	ASTM A536 65-45-12
11	Handwheel Nut	Carbon Steel Galvanization	-
12	Packing	PTFE	-
13	Gasket	EPDM	Commercial
14	Hex Screw	-	GR 8.8
15	O-Ring	EPDM	Commercial
16	Nut	Stainless Steel	ASTM SS304
17	Sq. Bolt	Stainless Steel	ASTM SS304
18	Spring Washer	Stainless Steel	ASTM SS304
19	Hex Screw	Stainless Steel	ASTM SS304
20	Plug	Stainless Steel	ASTM SS304

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CKVA-(T/S)BZ2361



CKVB-(T/S)BZ2373



CKVA-GD8351



CKVE-GD8351

Code Index

CKVA | G | T | BZ | 2 | 3 | 7 | 1

1 2 3 4 5 6 7 8

1 Category

GTVA - Gate Valve OS&Y; **GTVB** - Gate Valve NRS;
GLBA - Globe Valve (Straight Body); **GLBB** - Globe Valve (Angle Body); **BFVA** - Butterfly Valve; **CKVA** - Check Valve (Swing); **CKVB** - Check Valve (Lift); **CKVC** - Check Valve (Double door)

2 PD Index Code

3 Connection

F - F x F (ANSI Flange); **G** - G x G Grooved; **T** - T (Threaded); **C** - F X G (ANSI Flange); **M** - MJ x MJ; **E** - F x MJ; **W** - Wafer; **L** - Lug;

4 Material

DI - Ductile Iron; **CI** - Cast Iron; **CS** - Cast Steel; **SS** - Stainless Steel; **BZ** - Bronze; **BS** - Brass

5 Pressure Rating

2 - 150#; 4 - 200#; 3 - 300#; 5 - 250#; 8 - 350#

6 Seat/Body Material

1 - Ductile Iron; 2 - Cast Iron; 3 - Bronze; 5 - Epoxi; 8 - Polyamide; 9 - Viton

7 Disc Material

0 - Brass; 1 - Ductile Iron; 2 - Cast Iron; 3 - A.I. Bronze; 4 - Stainless Steel; 5 - EPDM; 6 - PTFE; 7 - Buna N

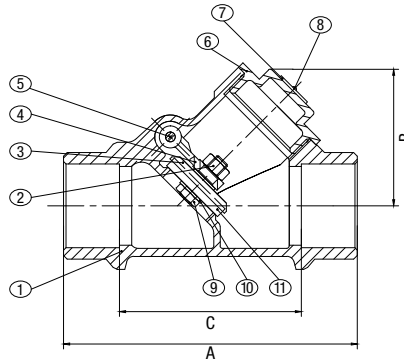
8 Stem Material

1 - Stainless Steel; 3 - Bronze

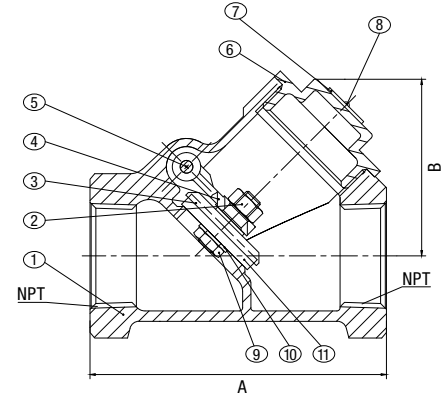
CRN



Solder (C x C)



Threaded (NPT x NPT)



CKVA-(T/S)BZ2361 Product Description

Class 150 bronze swing check valve, Y-pattern design, regrindable integral seat, PTFE disc, NPT or solder ends. CRN for all Canadian provinces and territories.

Working Pressure

- 150 PSI Saturated Steam
- 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Solder
- Threaded (NPT)

Standard

- Conforms to MSS SP-80

- Install 5 pipe diameters minimum down downstream from pump discharge or change in direction to avoid flow turbulence.
- May be installed in both horizontal and vertical position with upward flow or in any intermediate position.
- **Warning: DO NOT use for reciprocating Air Compressor Service.**

DIMENSIONS

SIZE DN		A				B		C		WEIGHT	
		THREADED ENDS		SOLDER ENDS				SOLDER ENDS			
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lb	Kg
8	1/4"	54	2.13	60	2.36	37	1.46	44	1.73	0.57	0.26
10	3/8"	54	2.13	63	2.48	37	1.46	44	1.73	0.50	0.25
15	1/2"	62	2.44	75	2.95	43	1.69	50	1.97	0.86	0.39
20	3/4"	76	2.99	98	3.86	52	2.05	60	2.36	1.36	0.62
25	1"	94	3.70	126	4.96	65	2.56	80	3.15	2.35	1.07
32	1¼"	110	4.33	139	5.47	76	2.99	90	3.54	3.35	1.65
40	1½"	126	4.96	156	6.14	89	3.50	100	3.94	5.63	2.56
50	2"	152	5.98	190	7.48	108	4.25	122	4.80	8.91	4.05
65	2½"	186	7.32	220	8.66	134	5.28	145	5.71	14.08	6.40
80	3"	218	8.58	251.2	9.89	160	6.30	166	6.54	20.46	9.30

MATERIAL SPECIFICATIONS

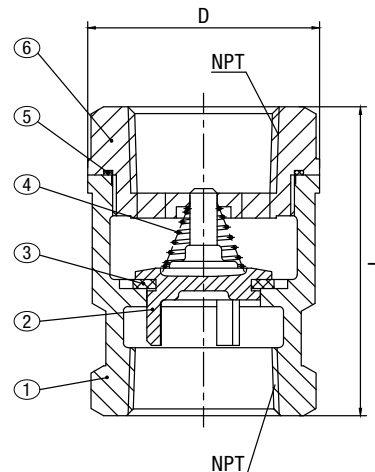
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Bronze	ASTM B62 C83600
2	Nut	Brass	ASTM B16 C36000
3	Disc Holder	Bronze	ASTM B62 C83600
4	Hinge	Bronze	ASTM B62 C83600
5	Hinge Pin	Stainless Steel	ANSI 304
6	Cap	Bronze	ASTM B62 C83600
7	ID Plate	Aluminum	-
8	Drive Pin	Steel-ElectroBrassed	-
9	Nut	Brass	ASTM B16 C36000
10	Washer	Brass	B124 C37700
11	Disc	PTFE	-

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CRN



Threaded (NPT x NPT)



CKVB-TBZ2373/2363 Product Description

Class 150 bronze in-line lift check valve, Buna-N (BZ2373) or PTFE (BZ2363) disc, integral seat, stainless steel spring, NPT ends. CRN for all Canadian provinces and territories.

Working Pressure

- 150 PSI Saturated Steam (PTFE seat model only)
- 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Threaded (NPT)

Standard

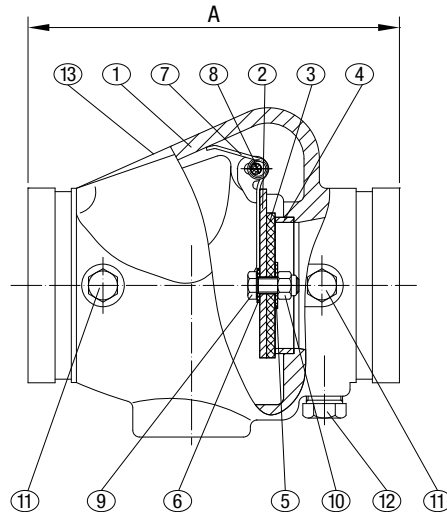
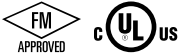
- Conforms to MSS SP-80

- Install 5 pipe diameters minimum down downstream from pump discharge or change in direction to avoid flow turbulence.
- May be installed in both horizontal and vertical position with upward flow or in any intermediate position.
- **Warning: DO NOT use for reciprocating Air Compressor Service.**

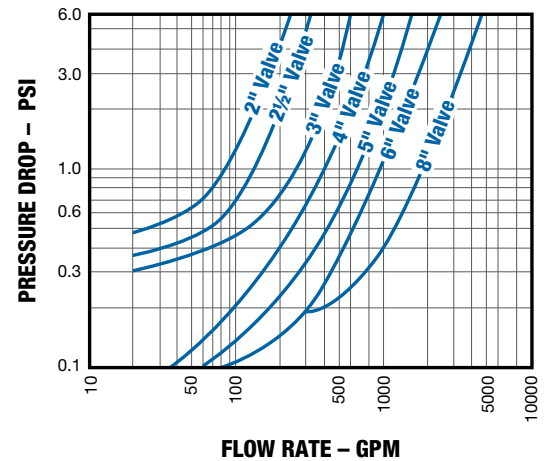
DIMENSIONS											
SIZE DN		D		L				B		WEIGHT	
				THREADED ENDS		SOLDER ENDS		SOLDER ENDS			
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lb	Kg
15	1/2"	33	1.30	53	2.09	65	2.56	40	1.57	0.42	0.19
20	3/4"	41	1.61	60	2.36	80	3.15	42	1.65	0.64	0.29
25	1"	48	1.89	68	2.68	90	3.54	44	1.73	0.99	0.45
32	1¼"	58	2.28	79	3.11	100	3.94	51	2.01	1.46	0.66
40	1½"	70	2.76	85	3.35	115	4.53	59	2.32	1.98	0.90
50	2"	82	3.23	98	3.86	138	5.43	70	2.76	3.31	1.50

MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Bronze	ASTM B62 C83600
2	Disc Holder	Bronze	ASTM B62 C83600
3	Seat Ring	NBR / PTFE	-
4	Spring	Stainless Steel	ANSI 304
5	Gasket	PTFE	-
6	Bonnet	Bronze	ASTM B62 C83600

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Pressure Drop / Flow Rate



CKVA-GD8351 Product Description

350 CWP grooved end swing check valve. Ductile iron body, resilient seat, stainless steel clapper, EPDM facing seal, spring loaded.

Working Pressure & Temperature

- 350 PSI Non-Shock Cold Working Pressure (CWP)
- 0–80°C / 32–176°F

Standard

- Grooved to AWWA C606
- UL/ULC Listed and FM Approved

DIMENSIONS					
SIZE	O.D.	A		WEIGHT	
inch	mm	inch	mm	lbs	kg
2"	60.3	6.65	169	5.5	2.5
2½"	73.0	7.2	183	8.8	4
3"	88.9	7.8	198	13	6
4"	114.3	8.58	218	20	9
5"	141.3	9.76	248	33	15
6"	168.3	10.63	270	42	19
8"	219.1	12.8	325	77	35

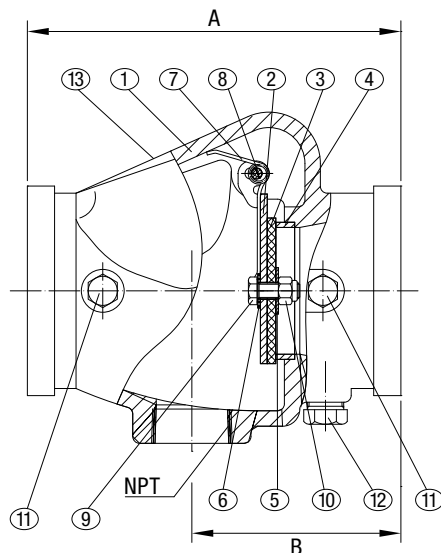
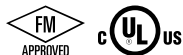
MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	ESTM E 536
2	Seat	Bronze	-
3	Clapper	Stainless Steel	ANSI 304
4	Facing Seal	EPDM Rubber	-
5	Clamping Ring	Stainless Steel	ANSI 304
6	Gasket	EPDM Rubber	-
7	Spring	Stainless Steel	ANSI 304
8	Hinge Pin	Stainless Steel	ANSI 304
9	Bolt	Stainless Steel	ANSI 304
10	Locknut	Stainless Steel	ANSI 304
11	Plug ¼" NPT	Carbon Steel	-
12	Plug ½" NPT	Carbon Steel	-

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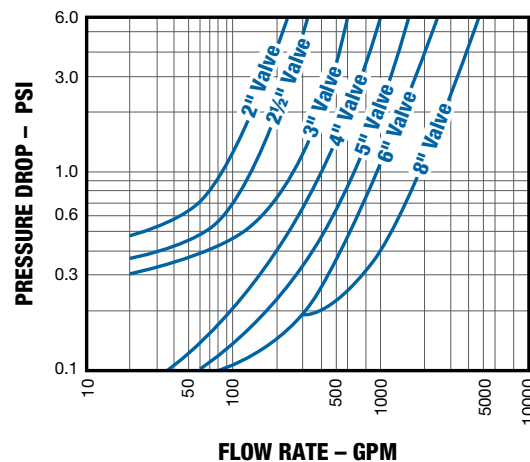
CKVE-GD8351

350 PSI CWP | Ductile Iron Riser Check Valve

Ductile Iron Body | Bronze Seat | Grooved Ends



Pressure Drop / Flow Rate



CKVE-GD8351 Product Description

350 CWP grooved end riser (shotgun) swing check valve. Ductile iron body, resilient seat, stainless steel clapper, EPDM facing seal spring loaded.

Working Pressure & Temperature

- 350 PSI Non-Shock Cold Working Pressure (CWP)
- 0–80°C / 32–176°F

Standard

- Grooved to AWWA C606
- UL/ULC Listed and FM Approved

DIMENSIONS								
SIZE	O.D.	A		B		NPT	WEIGHT	
inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"	60.3	6.65	169	3.54	90	1	5.5	2.5
2½"	73.0	7.2	183	3.86	98	1¼	8.8	4
3"	88.9	7.8	198	4.29	109	1¼	13	6
4"	114.3	8.58	218	4.80	122	2	20	9
5"	141.3	9.76	248	5.39	137	2	33	15
6"	168.3	10.63	270	5.82	148	2	42	19
8"	219.1	12.8	325	7.28	185	2	77	35

MATERIAL SPECIFICATIONS			
NO.	PART NAME	MATERIAL	STANDARD
1	Body	Ductile Iron	ESTM E 536
2	Seat	Bronze	-
3	Clapper	Stainless Steel	ANSI 304
4	Facing Seal	EPDM Rubber	-
5	Clamping Ring	Stainless Steel	ANSI 304
6	Gasket	EPDM Rubber	-
7	Spring	Stainless Steel	ANSI 304
8	Hinge Pin	Stainless Steel	ANSI 304
9	Bolt	Stainless Steel	ANSI 304
10	Locknut	Stainless Steel	ANSI 304
11	Plug ¼" NPT	Carbon Steel	-
12	Plug ½" NPT	Carbon Steel	-

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Grooved Couplings and Fittings Index



GRCR



GRCF



GRHC



GRHT



GRRC



GRMU



GRMT



GRMG



GRFL



GRFG



GRFT



GRAE



GRAN



GRRN



GRE4



GRES



GRE1



GRE2



GRCS



GRCP



GRDC



GRTS



GRTT



GRTG



GRRT



GRRG

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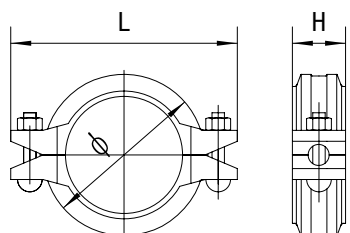
GRCR – Rigid Coupling with Pre-Lubricated Gasket

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CWP

End Connection

- Grooved



DIMENSIONS												
SIZE	PART NUMBER		PIPE O.D.		Ø		L		H		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
1"	GRCR0010P	GRCR0010G	34	1.33	60	2.36	102	4.02	45	1.77	1.25	0.57
1¼"	GRCR0012P	GRCR0012G	42	1.67	70	2.76	106	4.17	44	1.73	1.29	0.59
1½"	GRCR0014P	GRCR0014G	48	1.90	73	2.87	108	4.25	44	1.73	1.45	0.66
2"	GRCR0020P	GRCR0020G	60	2.38	87	3.43	123	4.84	44	1.73	1.45	0.66
2½"	GRCR0024P	GRCR0024G	73	2.88	100	3.94	138	5.43	44	1.73	1.71	0.78
3"	GRCR0030P	GRCR0030G	89	3.50	117	4.61	166	6.54	45	1.77	2.53	1.15
4"	GRCR0040P	GRCR0040G	114	4.50	139	5.47	190	7.48	49	1.93	3.09	1.40
5"	GRCR0050P	GRCR0050G	140	5.50	168	6.61	218	8.58	49	1.93	3.99	1.81
6"	GRCR0060P	GRCR0060G	168	6.63	199	7.82	249	9.80	50	1.97	4.86	2.20
8"	GRCR0080P	GRCR0080G	219	8.63	253	9.96	320	12.60	59	2.32	10.48	4.75
10"	GRCR0100P	GRCR0100G	273	10.75	335	13.19	426	16.77	68	2.68	20.02	9.08
12"	GRCR0120P	GRCR0120G	324	12.75	380	14.96	470	18.50	65	2.56	22.58	10.24

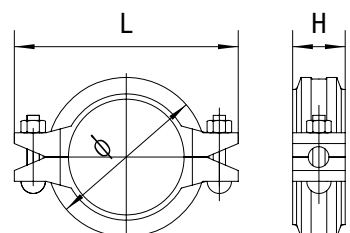
GRCF – Flexible Coupling with Pre-Lubricated Gasket

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CWP

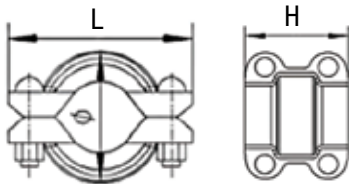
End Connection

- Grooved



DIMENSIONS												
SIZE	PART NUMBER		PIPE O.D.		Ø		L		H		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
1"	GRCF0010P	GRCF0010G	34	1.33	60	2.36	98	3.86	44	1.71	1.25	0.57
1¼"	GRCF0012P	GRCF0012G	42	1.67	67	2.64	106	4.17	44	1.73	1.29	0.59
1½"	GRCF0014P	GRCF0014G	48	1.90	73	2.87	108	4.25	44	1.73	1.45	0.66
2"	GRCF0020P	GRCF0020G	60	2.38	87	3.43	123	4.84	44	1.73	1.51	0.68
2½"	GRCF0024P	GRCF0024G	73	2.88	100	3.94	138	5.43	44	1.73	1.76	0.80
3"	GRCF0030P	GRCF0030G	89	3.50	117	4.61	166	6.54	45	1.77	2.50	1.13
4"	GRCF0040P	GRCF0040G	114	4.50	137	5.39	188	7.40	48	1.89	3.11	1.41
5"	GRCF0050P	GRCF0050G	140	5.50	168	6.61	218	8.58	49	1.93	4.20	1.91
6"	GRCF0060P	GRCF0060G	168	6.63	198	7.82	249	9.80	50	1.97	5.32	2.41
8"	GRCF0080P	GRCF0080G	219	8.63	253	9.96	320	12.60	59	2.32	10.09	4.58
10"	GRCF0100P	GRCF0100G	273	10.75	317	12.48	401	15.79	63	2.48	20.13	9.13
12"	GRCF0120P	GRCF0120G	324	12.75	375	14.76	455	17.91	64	2.52	22.88	10.38

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GRHC – HDPE Coupling

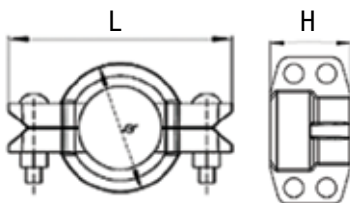
Working Pressure

• 2"–12": 300 PSI CWP

End Connection

• Mechanical Joints

DIMENSIONS													
SIZE	PART NUMBER		PIPE O.D.		BOLT SIZE	Ø		L		H		WEIGHT	
inch	Painted	Galvanized	mm	inch	No.-Size mm	mm	inch	mm	inch	mm	inch	lbs	kg
2"	GRHC0020P	GRHC0020G	60.3	2.375	4-M12x60	84	3.307	146	5.748	78	3.071	4.30	1.95
3"	GRHC0030P	GRHC0030G	88.9	3.5	4-M12x75	112	4.409	174	6.85	79	3.11	7.00	3.17
4"	GRHC0040P	GRHC0040G	114	4.5	4-M12x75	142	5.591	208	8.189	95	3.74	9.50	4.31
6"	GRHC0060P	GRHC0060G	168.3	6.626	4-M16x85	198	7.795	280	11.024	96	3.78	15.50	7.03
8"	GRHC0080P	GRHC0080G	219.1	8.626	4-M16x85	260	10.236	342	13.465	107	4.213	20.85	9.46
10"	GRHC0100P	GRHC0100G	273	10.748	4-M20x100	314	12.362	424	16.693	128	5.039	33.75	15.31
12"	GRHC0120P	GRHC0020G	323.9	10.748	4-M20x120	368	14.488	470	18.504	129	5.079	50.70	22.99



GRHT – Transition HDPE Coupling

Working Pressure

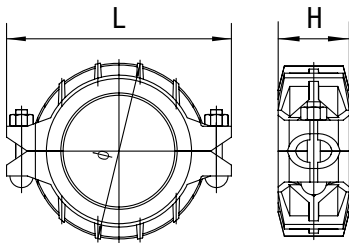
• 2"–12": 300 PSI CWP

End Connection

• Grooved x Mechanical Joints

DIMENSIONS													
SIZE	PART NUMBER		PIPE O.D.		BOLT SIZE	Ø		L		H		WEIGHT	
inch	Painted	Galvanized	mm	inch	No.-Size mm	mm	inch	mm	inch	mm	inch	lbs	kg
2"	GRHT0020P	GRHC0020G	60.3	2.375	4-M10x55	83	3.268	120	4.724	116	4.567	3.70	1.68
3"	GRHT0030P	GRHC0030G	88.9	3.5	4-M12x75	114	4.5	166	6.535	118	4.647	4.76	2.16
4"	GRHT0040P	GRHC0040G	114	4.5	4-M12x75	143	5.63	201	7.913	147	5.787	6.90	3.13
6"	GRHT0060P	GRHC0060G	168.3	6.626	4-M16x85	202	7.953	252	9.921	150	5.906	11.25	5.11
8"	GRHT0080P	GRHC0080G	219.1	8.626	4-M16x85	258	10.157	320	12.598	152	5.984	17.20	7.81
10"	GRHT0100P	GRHC0100G	273	10.748	4-M20x120	313	12.323	390	15.354	165	6.496	29.25	13.27
12"	GRHT0120P	GRHC0020G	323.9	10.748	4-M20x120	367	14.449	455	17.913	183	7.205	36.75	16.67

GRRC – Reducing Coupling with Pre-Lubricated Gasket



Working Pressure

• 2"–12": 300 PSI CWP

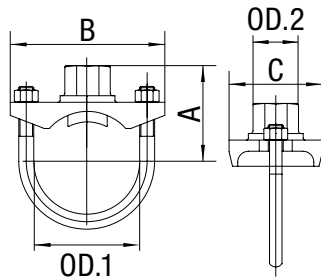
End Connection

• Grooved



DIMENSIONS												
SIZE	PART NUMBER		PIPE OD.1 x OD.2		Ø		L		H		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"x1½"	GRRC2014P	GRRC2014G	60x48	2.38x1.90	90	3.54	129	5.08	47	1.85	2.01	0.91
2½"x1½"	GRRC2414P	GRRC2414G	73x48	2.88x1.90	101	3.98	137	5.39	48	1.89	2.48	1.12
2½"x 2"	GRRC2420P	GRRC2420G	73x60	2.88x2.38	101	3.98	137	5.39	48	1.89	2.41	1.09
3"x1½"	GRRC3014P	GRRC3014G	89x48	3.50x1.90	120	4.72	164	6.46	48	1.89	3.36	1.52
3"x2"	GRRC3020P	GRRC3020G	89x60	3.50x2.38	120	4.72	164	6.46	48	1.89	3.31	1.50
3"x2½"	GRRC3024P	GRRC3024G	89x73	3.50x2.88	120	4.72	164	6.46	48	1.89	4.16	1.89
4"x1½"	GRRC4014P	GRRC4014G	114x48	4.50x1.90	150	5.91	195	7.68	49	1.93	4.22	1.91
4"x2"	GRRC4020P	GRRC4020G	114x60	4.50x2.38	150	5.91	195	7.68	49	1.93	4.49	2.04
4"x2½"	GRRC4024P	GRRC4024G	114x73	4.50x3.00	150	5.91	195	7.68	49	1.93	4.23	1.92
4"x3"	GRRC4030P	GRRC4030G	114x89	4.50x3.50	150	5.91	195	7.68	49	1.93	4.05	1.84
6"x3"	GRRC6030P	GRRC6030G	168x89	6.63x3.50	203	7.99	235	9.25	50	1.97	7.41	3.36
6"x4"	GRRC6040P	GRRC6040G	168x114	6.63x4.50	203	7.99	235	9.25	50	1.97	7.41	3.36
8"x6"	GRRC8060P	GRRC8060G	219x168	8.63x6.63	264	10.39	313	12.32	60	2.36	15.00	6.80

GRMU – Mechanical Tee



Working Pressure

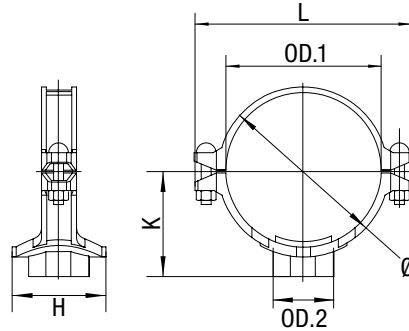
• 1"–2½": 300 PSI CWP

End Connection

• U-Bolted x Threaded (NTP)



DIMENSIONS														
SIZE	PART NUMBER		PIPE OD.1 x OD.2		A		B		C		HOLE SIZE		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
1"x½"	GRMU1004P	GRMU1004G	34x21	1.33x0.84	49	1.93	76	2.99	43	1.69	24	0.95	0.67	0.30
1"x¾"	GRMU1006P	GRMU1006G	34x27	1.33x1.06	58	2.28	84	3.31	43	1.69	24	0.95	0.93	0.42
1¼"x½"	GRMU1204P	GRMU1204G	42x21	1.67x0.84	43	1.69	90	3.54	56	2.20	30	1.18	0.80	0.36
1¼"x¾"	GRMU1206P	GRMU1206G	42x27	1.67x1.06	45	1.77	90	3.54	56	2.20	30	1.18	1.03	0.47
1¼"x1"	GRMU1210P	GRMU1210G	42x34	1.67x1.33	50	1.97	90	3.54	56	2.20	30	1.18	0.95	0.43
1½"x½"	GRMU1404P	GRMU1404G	48x21	1.90x0.84	43	1.69	93	3.66	59	2.32	30	1.18	0.94	0.43
1½"x¾"	GRMU1406P	GRMU1406G	48x27	1.90x1.06	54	2.13	93	3.66	59	2.32	30	1.18	1.17	0.53
1½"x1"	GRMU1410P	GRMU1410G	48x34	1.90x1.33	58	2.95	96	3.78	59	2.32	30	1.18	1.01	0.46
2"x½"	GRMU2004P	GRMU2004G	60x21	2.38x0.84	54	2.13	96	3.78	59	2.32	30	1.18	1.13	0.51
2"x¾"	GRMU2006P	GRMU2006G	60x27	2.38x1.06	56	2.21	96	3.78	59	2.32	30	1.18	1.41	0.64
2"x1"	GRMU2010P	GRMU2010G	60x34	2.38x1.33	66	2.60	96	3.78	59	2.32	30	1.18	1.37	0.62
2½"x½"	GRMU2404P	GRMU2404G	73x21	2.88x0.84	60	2.36	110	4.33	59	2.32	30	1.18	1.42	0.64
2½"x¾"	GRMU2406P	GRMU2406G	73x27	2.88x1.06	63	2.48	110	4.33	59	2.32	30	1.18	1.80	0.82
2½"x1"	GRMU2410P	GRMU2410G	73x34	2.88x1.33	70	2.76	110	4.33	59	2.32	30	1.18	1.69	0.77



GRMT – Mechanical Tee

Working Pressure

- 2"–8": 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

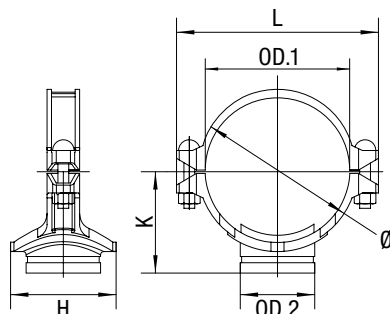
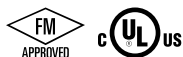
- Threaded (NTP)

DIMENSIONS																
SIZE	PART NUMBER		PIPE OD.1 x OD.2		Ø		L		K		H		HOLE SIZE		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"x1"	GRMT2010P	GRMT2010G	60x34	2.38x1.33	75	2.95	116	4.57	60	2.36	69	2.72	38	1.50	1.63	0.74
2"x1¼"	GRMT2012P	GRMT2012G	60x42	2.38x1.67	75	2.95	116	4.57	60	2.36	69	2.72	46	1.50	2.07	0.94
2"x1½"	GRMT2014P	GRMT2014G	60x48	2.38x1.90	75	2.95	116	4.57	60	2.36	69	2.72	46	1.81	1.89	0.86
2½"x1"	GRMT2410NP	GRMT2410NG	73 x 34	2.87x1.33	102	4.02	144	5.67	70	2.76	77	3.03	38	1.50	1.11	0.50
3"x1"	GRMT3010P	GRMT3010G	89x34	3.50x1.33	114	4.49	152	5.98	82	3.23	77	3.03	38	1.50	2.79	1.27
3"x1¼"	GRMT3012P	GRMT3012G	89x42	3.50x1.67	114	4.49	152	5.98	82	3.23	83	3.27	46	1.81	2.87	1.30
3"x1½"	GRMT3014P	GRMT3014G	89x48	3.50x1.90	114	4.49	152	5.98	82	3.23	92	3.62	51	2.01	3.16	1.43
3"x2"	GRMT3020P	GRMT3020G	89x60	3.50x2.38	114	4.49	152	5.98	82	3.23	99	3.90	61	2.40	3.46	1.57
4"x1"	GRMT4010P	GRMT4010G	114x34	4.50x1.33	135	5.32	172	6.77	87	3.43	77	3.03	38	1.50	3.72	1.69
4"x1¼"	GRMT4012P	GRMT4012G	114x42	4.50x1.67	135	5.32	172	6.77	87	3.43	83	3.27	46	1.81	3.60	1.63
4"x1½"	GRMT4014P	GRMT4014G	114x48	4.50x1.90	135	5.32	172	6.77	87	3.43	92	3.62	51	2.01	3.75	1.70
4"x2"	GRMT4020P	GRMT4020G	114x60	4.50x2.38	135	5.32	172	6.77	87	3.43	97	3.82	61	2.40	4.11	1.86
4"x2½"	GRMT4024P	GRMT4024G	114x73	4.5x2.87	135	5.31	172	6.77	87	3.43	112	4.41	70	2.76	3.59	1.63
5"x1"	GRMT5010P	GRMT5010G	140x34	5.5x1.33	160	6.30	210	8.27	100	3.94	77	3.03	38	1.50	3.55	1.61
5"x1¼"	GRMT5012P	GRMT5012G	140x42	5.5x1.67	160	6.30	210	8.27	100	3.94	83	3.27	46	1.81	3.58	1.62
5"x1½"	GRMT5014P	GRMT5014G	140x48	5.5x1.9	160	6.30	210	8.27	100	3.94	92	3.62	51	2.01	3.65	1.66
5"x2"	GRMT5020P	GRMT5020G	140x60	5.5x2.37	160	6.30	210	8.27	100	3.94	97	3.82	61	2.40	3.90	1.77
6"x1"	GRMT6010P	GRMT6010G	168x34	6.63x1.33	187	7.36	242	9.53	117	4.61	77	3.03	38	1.50	6.20	2.81
6"x1¼"	GRMT6012P	GRMT6012G	168x42	6.63x1.67	187	7.36	242	9.53	117	4.61	83	3.27	46	1.81	6.48	2.94
6"x1½"	GRMT6014P	GRMT6014G	168x48	6.63x1.90	187	7.36	242	9.53	117	4.61	92	3.62	51	2.01	6.61	3.00
6"x2"	GRMT6020P	GRMT6020G	168x60	6.63x2.38	187	7.36	242	9.53	117	4.61	97	3.82	61	2.40	6.75	3.06
6"x3"	GRMT6030P	GRMT6030G	168x89	6.63x3.50	187	7.36	242	9.53	117	4.61	122	4.80	86	3.39	6.09	2.76
8"x1"	GRMT8010P	GRMT8010G	219x34	8.63x1.33	250	9.84	310	12.21	146	5.75	77	3.03	46	1.81	6.88	3.12
8"x1¼"	GRMT8012P	GRMT8012G	219x42	8.63x1.67	250	9.84	310	12.21	146	5.75	83	3.27	46	1.81	7.10	3.22
8"x1½"	GRMT8014P	GRMT8014G	219x48	8.63x1.90	250	9.84	310	12.21	146	5.75	92	3.62	51	2.01	7.29	3.31
8"x2"	GRMT8020P	GRMT8020G	219x60	8.63x2.38	250	9.84	310	12.21	146	5.75	97	3.82	61	2.40	7.84	3.56
8"x3"	GRMT8030P	GRMT8030G	219x89	8.63x3.50	250	9.84	310	12.21	146	5.75	122	4.80	86	3.39	10.46	4.74
8"x4"	GRMT8040P	GRMT8040G	219x114	8.63x4.50	250	9.84	310	12.21	146	5.75	134	5.28	114	4.49	10.24	4.64

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Grooved Couplings & Fittings

Ductile Iron Body | Std. EPDM Gasket



GRMG – Mechanical Tee

Working Pressure

- 2"–8": 300 PSI Non-Shock Cold Working Pressure (CWP)

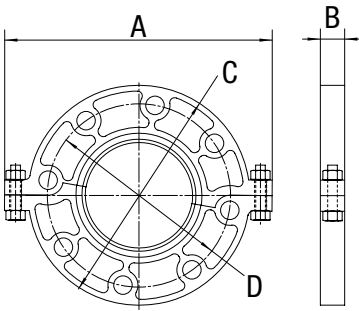
End Connection

- Grooved

DIMENSIONS

SIZE	PART NUMBER		PIPE OD.1 x OD.2		Ø		L		K		H		HOLE SIZE		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"x1¼"	GRMG2012P	GRMG2012G	60x42	2.38x1.67	74	2.91	116	4.57	59	2.32	69	2.72	46	1.81	1.83	0.83
2"x1½"	GRMG2014P	GRMG2014G	60x48	2.38x1.90	78	3.07	116	4.57	59	2.32	69	2.72	46	1.81	1.60	0.73
2½"x1¼"	GRMG2412NP	GRMG2412NG	73x42	2.87x1.67	93	3.66	144	5.67	70	2.76	84	3.31	46	1.81	2.43	1.10
2½"x1½"	GRMG2414NP	GRMG2414NG	73x48	2.87x1.90	93	3.66	144	2.67	70	2.76	83	3.27	51	2.01	2.49	1.13
3"x1"	GRMG3010P	GRMG3010G	89x34	3.50x1.33	104	4.09	152	5.98	76	2.76	78	3.07	38	1.50	2.62	1.19
3"x1¼"	GRMG3012P	GRMG3012G	89x42	3.50x1.67	104	4.09	152	5.98	76	2.76	82	3.23	46	1.81	2.46	1.12
3"x1½"	GRMG3014P	GRMG3014G	89x48	3.50x1.90	104	4.09	152	5.98	77	2.76	91	3.58	51	2.01	2.73	1.24
3"x2"	GRMG3020P	GRMG3020G	89x60	3.50x2.38	114	4.49	152	5.98	82	3.23	97	2.40	61	2.40	3.12	1.42
4"x1"	GRMG4010P	GRMG4010G	114x34	4.50x1.33	133	5.24	188	7.40	93	3.66	77	3.03	35	1.50	3.23	1.47
4"x1¼"	GRMG4012P	GRMG4012G	114x42	4.50x1.67	133	5.24	186	7.32	93	3.66	83	3.27	46	1.81	3.71	1.68
4x1½"	GRMG4014P	GRMG4014G	114x48	4.50x1.90	133	5.24	186	7.32	93	3.66	92	3.62	51	2.01	3.57	1.62
4"x2"	GRMG4020P	GRMG4020G	114x60	4.50x2.38	140	5.51	188	7.40	93	3.66	97	3.82	61	2.40	4.13	1.87
4x2½"	GRMG4024P	GRMG4024G	114x73	4.5x2.87	140	5.51	188	7.40	93	7.40	112	4.41	81	3.19	4.55	2.06
5x2"	GRMG5020P	GRMG5020G	140x60	5.5x2.37	168	6.61	220	8.66	107	4.21	97	3.82	61	2.40	4.48	2.03
6x1"	GRMG6010P	GRMG6010G	168x34	6.63x1.33	194	7.64	247	9.72	123	4.84	77	3.03	38	1.50	5.50	2.49
6x1¼"	GRMG6012P	GRMG6012G	168x42	6.63x1.67	198	7.80	247	9.72	128	5.04	82	3.23	46	1.81	6.31	2.86
6x1½"	GRMG6014P	GRMG6014G	168x48	6.63x1.90	198	7.80	247	9.72	128	5.04	92	3.62	51	2.01	6.35	2.88
6x2"	GRMG6020P	GRMG6020G	168x60	6.63x2.38	198	7.80	247	9.72	128	5.04	98	3.86	61	2.40	6.97	3.16
6x3"	GRMG6030P	GRMG6030G	168x89	6.63x3.50	198	7.80	247	9.72	128	5.04	134	5.28	86	3.39	7.26	3.29
8x2"	GRMG8020P	GRMG8020G	219x60	8.63x2.38	250	9.84	310	12.21	146	5.75	97	3.82	61	2.40	8.14	3.69
8x3"	GRMG8030P	GRMG8030G	219x89	8.63x3.50	250	9.84	310	12.21	146	5.75	122	4.80	86	3.39	9.29	4.21
8x4"	GRMG8040P	GRMG8040G	219x108	8.63x4.25	250	9.84	310	12.21	146	5.75	134	5.28	114	4.49	10.20	4.63

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GRFL – Hinge Flange

Working Pressure

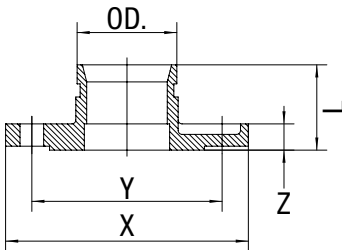
• 2"–8": 300 PSI Non-Shock
Cold Working Pressure (CWP)

Standard

• Flange ANSI 415



DIMENSIONS														
SIZE	PART NUMBER		PIPE O.D.		A		B		C		D		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"	GRFL0020P	GRFL0020G	60	2.38	206	8.11	22	0.87	152	5.98	121	4.76	4.00	1.81
2½"	GRFL0024P	GRFL0024G	73	2.88	230	9.06	22	0.87	178	7.01	140	5.51	4.56	2.07
3"	GRFL0030P	GRFL0030G	89	3.50	242	9.53	24	0.94	191	7.52	152	5.98	5.70	2.59
4"	GRFL0040P	GRFL0040G	114	4.50	280	11.02	24	0.94	229	9.02	191	7.52	6.49	2.94
5"	GRFL0050P	GRFL0050G	140	5.50	325	12.80	25	0.96	254	10.00	216	8.50	7.93	3.60
6"	GRFL0060P	GRFL0060G	168	6.63	345	13.58	25	0.96	282	11.10	242	9.51	10.14	4.60
8"	GRFL0080P	GRFL0080G	219	8.63	414	16.31	26	1.10	341	13.44	299	11.75	14.53	6.59



GRFG – Flange Adapter

Working Pressure

• 2"–12": 300 PSI Non-Shock
Cold Working Pressure (CWP)

End Connection

• Grooved

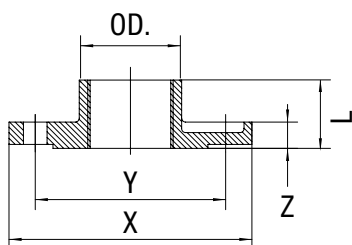
Standard

• Flange ANSI 415



DIMENSIONS														
SIZE	PART NUMBER		PIPE O.D.		L		X		Y		Z		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"	GRFG0020P	GRFG0020G	60	2.38	60	2.37	152	5.98	152	5.98	19	0.75	3.46	1.57
2½"	GRFG0024P	GRFG0024G	73	2.88	60	2.37	178	7.00	178	7.01	24	0.94	4.18	1.90
3"	GRFG0030P	GRFG0030G	89	3.50	60	2.37	190	7.48	191	7.52	24	0.94	4.98	2.26
4"	GRFG0040P	GRFG0040G	114	4.50	70	2.76	229	9.02	229	9.02	24	0.94	6.50	2.95
5"	GRFG0050P	GRFG0050G	140	5.50	60	2.37	254	10.00	254	10.00	24	0.94	7.03	3.19
6"	GRFG0060P	GRFG0060G	168	6.63	70	2.76	279	10.98	178	7.01	25	0.98	8.98	4.07
8"	GRFG0080P	GRFG0080G	219	8.63	76	2.99	343	13.50	191	7.52	29	1.14	16.84	7.64
10"	GRFG0100P	GRFG0100G	273	10.75	85	3.35	406	15.98	178	7.01	30	1.18	31.42	14.25
12"	GRFG0120P	GRFG0120G	324	12.75	90	3.54	483	19.01	191	7.52	32	1.26	37.63	17.07

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GRFT – Flange Adapter

Working Pressure

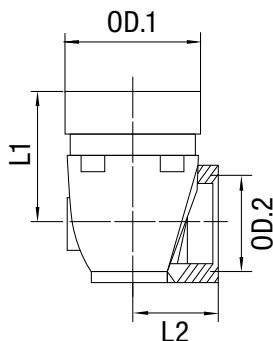
- 2"–4": 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Threaded



DIMENSIONS														
SIZE	PART NUMBER		PIPE O.D.		L		X		Y		Z		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	lbs	kg
2"	GRFT0020P	GRFT0020G	60	2.37	60	2.37	152	5.98	121	4.74	19	0.75	3.24	1.47
3"	GRFT0030P	GRFT0030G	89	3.50	60	2.37	190	7.48	153	6.00	24	0.94	4.76	2.16
4"	GRFT0040P	GRFT0040G	114	4.50	70	2.76	229	9.02	191	7.50	24	0.94	5.95	2.70



GRAE – Adapter Elbow

Working Pressure

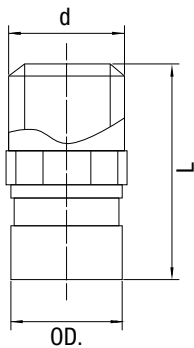
- 1"–4": 500 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Grooved x Threaded (NTP)



DIMENSIONS										
SIZE	PART NUMBER		PIPE OD.1 x OD.2		L1		L2		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	mm	inch	lbs	kg
1¼"x½"	GRAE1204P	GRAE1204G	42x21	1.67x0.84	45	1.77	31	1.20	0.71	0.32
1¼"x¾"	GRAE1206P	GRAE1206G	42x26	1.67x1.06	45	1.77	31	1.20	0.65	0.30
1¼"x1"	GRAE1210P	GRAE1210G	42x33	1.67x1.33	49	1.91	32	1.24	0.63	0.28
1½"x ½"	GRAE1404P	GRAE1404G	48x21	1.9x0.84	45	1.77	34	1.32	0.77	0.35
1½"x ¾"	GRAE1406P	GRAE1406G	48x27	1.9x1.06	45	1.77	34	1.32	0.77	0.35
1½"x1"	GRAE1410P	GRAE1410G	48x34	1.9x1.33	49	1.91	36	1.32	0.84	0.38
2"x½"	GRAE2004P	GRAE2004G	60x21	2.37x0.84	45	1.75	40	1.57	0.97	0.44
2"x¾"	GRAE2006P	GRAE2006G	60x27	2.37x1.06	45	1.77	40	1.57	1.03	0.46
2"x1"	GRAE2010P	GRAE2010G	60x34	2.37x1.33	49	1.91	42	1.63	1.12	0.51
2½"x½"	GRAE2404P	GRAE2404G	73x21	2.87x0.84	45	1.75	45	1.75	1.15	0.52
2½"x¾"	GRAE2406P	GRAE2406G	73x27	2.87x1.06	45	1.75	45	1.75	1.18	0.54
2½"x1"	GRAE2410P	GRAE2410G	73x34	2.87x1.33	49	1.91	46	1.81	1.07	0.48



GRAN – Adapter Nipple

Working Pressure

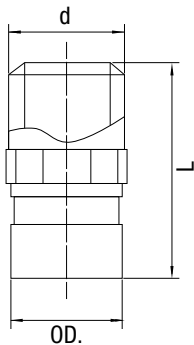
- 1½"–2": 500 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Grooved x Threaded



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD. x d		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1½" x 1½"	GRAN0014P	GRAN0014G	48 x 48	1.9 x 1.9	63	2.48	0.74	0.34
2" x 2"	GRAN0020P	GRAN0020G	60 x 60	2.37 x 2.37	63	2.48	1.0	0.40



GRRN – Reducing Adapter Nipple

Working Pressure

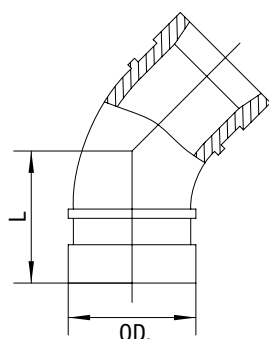
- 1½"–2": 500 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Grooved x Threaded



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.1 x d		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1½" x 1"	GRRN1410P	GRRN1410P	48 x 34	1.9 x 1.33	63	2.48	0.66	0.30
2" x 1½"	GRRN2014P	GRRN2014P	60 x 48	2.37 x 1.9	63	2.48	0.78	0.36



GRE4 – 45° Elbow Standard Radius

Working Pressure

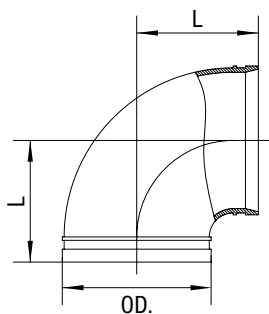
- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CWP

End Connection

- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRE40010P	GRE40010G	34	1.33	44	1.73	0.69	0.31
1¼"	GRE40012P	GRE40012G	42	1.67	44	1.73	0.88	0.40
1½"	GRE40014P	GRE40014G	48	1.90	44	1.73	0.92	0.42
2"	GRE40020P	GRE40020G	60	2.38	51	2.01	1.63	0.74
2½"	GRE40024P	GRE40024G	73	2.88	57	2.01	1.68	0.76
3"	GRE40030P	GRE40030G	89	3.50	64	2.52	2.49	1.13
4"	GRE40040P	GRE40040G	114	4.50	76	2.99	4.05	1.84
5"	GRE40050P	GRE40050G	140	5.50	83	3.27	6.11	2.77
6"	GRE40060P	GRE40060G	168	6.63	89	3.50	7.81	3.54
8"	GRE40080P	GRE40080G	219	8.63	108	4.25	13.95	6.33
10"	GRE40100P	GRE40100G	273	10.75	121	4.76	34.56	15.68
12"	GRE40120P	GRE40120G	324	12.75	133	5.24	42.62	19.33



GRES – 90° Elbow Short Radius

Working Pressure

- 1"–4": 400 PSI CWP
- 6"–12": 300 PSI CWP

End Connection

- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRES0010P	GRES0010G	34	1.33	57	2.24	0.88	0.40
1¼"	GRES0012P	GRES0012G	42	1.67	60	2.36	1.04	0.47
1½"	GRES0014P	GRES0014G	48	1.90	60	2.36	1.51	0.68
2"	GRES0020P	GRES0020G	60	2.38	70	2.76	3.69	1.67
2½"	GRES0024P	GRES0024G	73	2.88	76	3.00	2.73	1.24
3"	GRES0030P	GRES0030G	89	3.50	86	3.38	4.32	1.96
4"	GRES0040P	GRES0040G	114	4.50	102	4.00	4.94	2.24
6"	GRES0060P	GRES0060G	168	6.63	142	5.59	10.83	4.91
8"	GRES0080P	GRES0080G	219	8.63	179	7.05	18.73	8.50
10"	GRES0100P	GRES0100G	273	10.75	215	8.46	41.47	18.81
12"	GRES0120P	GRES0120G	324	12.75	245	9.65	52.02	23.60

GRE1 – 11¼° Elbow Standard Radius

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CWP

End Connection

- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRE10010P	GRE10010G	34	1.33	35	1.38	0.47	0.21
1¼"	GRE10012P	GRE10012G	42	1.67	35	1.38	0.56	0.26
1½"	GRE10014P	GRE10014G	48	1.90	35	1.38	0.63	0.29
2"	GRE10020P	GRE10020G	60	2.37	35	1.38	0.82	0.37
2½"	GRE10024P	GRE10024G	73	2.87	38	1.50	1.22	0.55
3"	GRE10030P	GRE10030G	89	3.50	38	1.50	1.62	0.73
4"	GRE10040P	GRE10040G	114	4.50	48	1.89	2.63	1.19
5"	GRE10050P	GRE10050G	140	5.50	51	2.01	3.90	1.77
6"	GRE10060P	GRE10060G	168	6.63	51	2.01	4.78	2.17
8"	GRE10080P	GRE10080G	219	8.63	51	2.01	7.12	3.23
10"	GRE10100P	GRE10100G	273	10.75	54	2.13	9.15	4.15
12"	GRE10120P	GRE10120G	324	12.75	57	2.24	11.29	5.12

GRE2 – 22½° Elbow Standard Radius

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CWP

End Connection

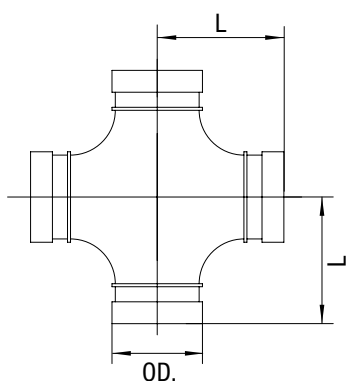
- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRE20010P	GRE20010G	34	1.33	41	1.61	0.63	0.29
1¼"	GRE20012P	GRE20012G	42	1.67	44	1.73	0.70	0.32
1½"	GRE20014P	GRE20014G	48	1.90	44	1.73	0.84	0.38
2"	GRE20020P	GRE20020G	60	2.37	51	2.01	1.14	0.52
2½"	GRE20024P	GRE20024G	73	2.87	51	2.01	1.51	0.68
3"	GRE20030P	GRE20030G	89	3.50	57	2.24	2.54	1.15
4"	GRE20040P	GRE20040G	114	4.50	73	2.87	3.91	1.77
5"	GRE20050P	GRE20050G	140	5.50	73	2.87	5.10	2.31
6"	GRE20060P	GRE20060G	168	6.63	79	3.11	7.17	3.25
8"	GRE20080P	GRE20080G	219	8.63	98	3.86	11.88	5.39
10"	GRE20100P	GRE20100G	273	10.75	111	4.37	14.16	6.42
12"	GRE40120P	GRE40120G	324	12.75	133	5.24	42.62	19.33

Grooved Couplings & Fittings

Ductile Iron Body



GRCS – Cross

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CW

End Connection

- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRCS0010P	GRCS0010G	34	1.33	57	2.24	-	-
1¼"	GRCS0012P	GRCS0012F	42	1.67	60	2.36	-	-
1½"	GRCS0014P	GRCS0014G	48	1.90	60	2.36	-	-
2"	GRCS0020P	GRCS0020G	60	2.38	83	3.27	2.60	1.18
2½"	GRCS0024P	GRCS0024G	73	2.88	95	3.74	4.61	2.09
3"	GRCS0030P	GRCS0030G	89	3.50	108	4.25	5.21	2.36
4"	GRCS0040P	GRCS0040G	114	4.50	127	5.00	7.95	3.61
5"	GRCS0050P	GRCS0050G	140	5.50	140	5.51	11.17	5.07
6"	GRCS0060P	GRCS0060G	168	6.63	165	6.50	18.20	8.26
8"	GRCS0080P	GRCS0080G	219	8.63	197	7.76	28.99	13.15
10"	GRCS0100P	GRCS0100G	273	10.75	229	9.02	70.26	31.87
12"	GRCS0120P	GRCS0120G	324	12.75	254	10.00	94.28	42.76

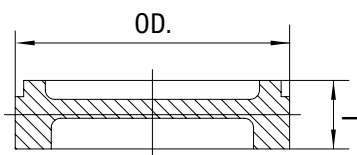
GRCP – Cap

Working Pressure

- 1"–4": 400 PSI CWP
- 5"–12": 300 PSI CW

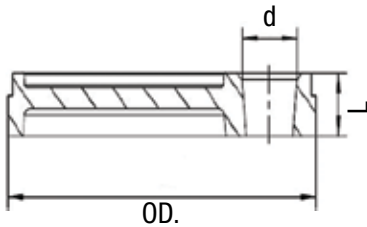
End Connection

- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRCP0010P	GRCP0010G	34	1.33	25	0.99	0.23	0.10
1¼"	GRCP0012P	GRCP0012G	42	1.67	25	0.99	0.34	0.15
1½"	GRCP0014P	GRCP0014G	48	1.90	25	0.99	0.53	0.24
2"	GRCP0020P	GRCP0020G	60	2.38	25	0.99	0.65	0.29
2½"	GRCP0024P	GRCP0024G	73	2.88	25	0.99	0.79	0.36
3"	GRCP0030P	GRCP0030G	89	3.50	25	0.99	1.16	0.53
4"	GRCP0040P	GRCP0040G	114	4.50	25	0.99	2.09	0.95
5"	GRCP0050P	GRCP0050G	140	5.50	25	0.99	2.88	1.31
6"	GRCP0060P	GRCP0060G	168	6.63	25	0.99	5.84	2.65
8"	GRCP0080P	GRCP0080G	219	8.63	30	1.18	10.28	4.66
10"	GRCP0100P	GRCP0100G	273	10.75	32	1.26	11.51	5.22
12"	GRCP0120P	GRCP0120G	324	12.75	32	1.26	18.20	8.26

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GRDC – Drain Cap

Working Pressure

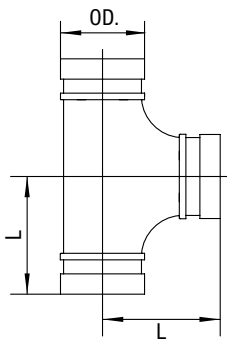
- 1"–4": 300 PSI Non-Shock Cold Working Pressure (CWP)

End Connection

- Grooved x Threaded



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.1 x d		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	Kg
2"x1"	GRDC2010P	GRDC2010G	60x34	2.37x1.33	25	0.98	0.41	0.18
2½"x1"	GRDC2410P	GRDC2410G	73x34	2.87x1.33	25	0.98	1.06	0.48
3"x1"	GRDC3010P	GRDC3010G	89x34	3.5x1.33	25	0.98	1.43	0.65
4"x1"	GRDC4010P	GRDC4010G	114x34	4.5x1.33	25	0.98	2.08	0.94
4"	GRDE0040P	GRDE0040G	114	4.5x0.56	25	0.98	1.42	0.64



GRTS – Short Radius Tee

Working Pressure

- 1"–4": 400 PSI CWP
- 6"–12": 300 PSI CWP

End Connection

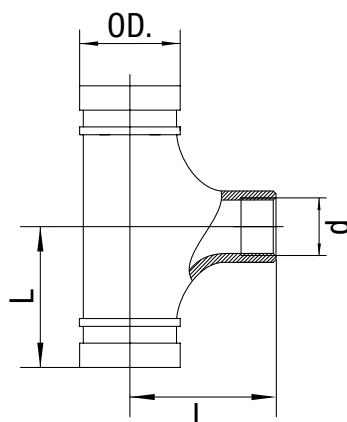
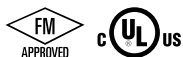
- Grooved



DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
1"	GRTS0010P	GRTS0010G	34	1.33	57	2.24	0.97	0.44
1¼"	GRTS0012P	GRTS0012G	42	1.67	60	2.36	1.04	0.47
1½"	GRTS0014P	GRTS0014G	48	1.90	60	2.36	1.38	0.63
2"	GRTS0020P	GRTS0020G	60	2.38	70	2.76	2.11	0.96
2½"	GRTS0024P	GRTS0024G	73	2.88	76	3.00	3.69	1.67
3"	GRTS0030P	GRTS0030G	89	3.50	86	3.38	4.48	2.03
4"	GRTS0040P	GRTS0040G	114	4.50	102	4.00	6.58	2.98
6"	GRTS0060P	GRTS0060G	168	6.63	142	5.59	16.33	7.41
8"	GRTS0080P	GRTS0080G	219	8.63	179	7.05	29.73	13.49
10"	GRTS0100P	GRTS0100G	273	10.75	215	8.46	50.68	22.99
12"	GRTS0120P	GRTS0120G	324	12.75	245	9.65	66.58	30.20

Grooved Couplings & Fittings

Ductile Iron Body



GRTT – Reducing Tee

Working Pressure

- 2"x1"–2"x1½": 300 PSI CWP
- 2½"x1"–2½"x2": 400 PSI CWP
- 3"x1"–6"x3": 300 PSI CWP

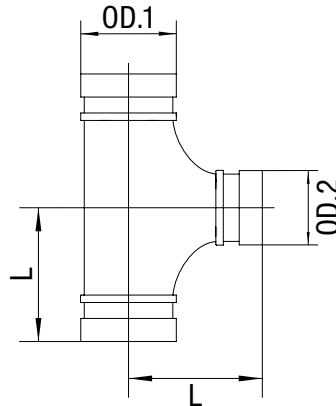
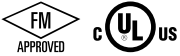
End Connection

- Grooved x Threaded

DIMENSIONS

SIZE	PART NUMBER		PIPE OD.1 x OD.2		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
2"x1"	GRTT2010P	GRTT2010G	60x34	2.38x1.32	70	2.76	1.96	0.89
2"x1¼"	GRTT2012P	GRTT2012G	60x42	2.38x1.66	70	2.76	2.03	0.92
2"x1½"	GRTT2014P	GRTT2014G	60x48	2.38x1.90	70	2.76	2.14	0.97
2½"x1"	GRTT2410P	GRTT2410G	73 x 33.7	2.87x1.33	76	2.99	2.66	1.20
2½"x1¼"	GRTT2412P	GRTT2412G	73 x 42.4	2.87x1.67	76	2.99	3.44	1.56
2½"x1½"	GRTT2414P	GRTT2414G	73 x 48.3	2.87x1.9	76	2.99	3.79	1.72
2½"x2"	GRTT2420P	GRTT2420G	73 x 60.3	2.87x2.37	76	2.99	4.08	1.85
3"x1"	GRTT3010P	GRTT3010G	89x34	3.00x1.32	86	3.39	4.07	1.85
3"x1¼"	GRTT3012P	GRTT3012G	89x42	3.00x1.66	86	3.39	3.66	1.66
3"x1½"	GRTT3014P	GRTT3014G	89x48	3.00x1.90	86	3.39	3.87	1.76
3"x2"	GRTT3020P	GRTT3020G	89x60	3.50x2.38	86	3.39	3.88	1.76
4"x1"	GRTT4010P	GRTT4010G	114x34	4.50x1.32	102	4.00	6.19	2.81
4"x1¼"	GRTT4012P	GRTT4012G	114x42	4.50x1.66	102	4.00	5.49	2.49
4"x1½"	GRTT4014P	GRTT4014G	114x48	4.50x1.90	102	4.00	6.05	2.74
4"x2"	GRTT4020P	GRTT4020G	114x60	4.50x2.38	102	4.00	6.25	2.83
4"x3"	GRTT4030P	GRTT4030G	114x89	4.50x3.50	102	4.00	6.68	3.03
6"x1¼"	GRTT6012P	GRTT6012G	168x42	6.63x1.66	140	5.51	12.26	5.56
6"x1½"	GRTT6014P	GRTT6014G	168x48	6.63x1.90	140	5.51	12.58	5.71
6"x2"	GRTT6020P	GRTT6020G	168x60	6.63x2.38	140	5.51	13.05	5.92
6"x3"	GRTT6030P	GRTT6030G	168x89	6.63x3.50	140	5.51	14.29	6.48

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GRTG – Reducing Tee

Working Pressure

- 2"x1¼"-4"x3": 400 PSI CWP
- 6"x1½"-12"x8": 300 PSI CWP

End Connection

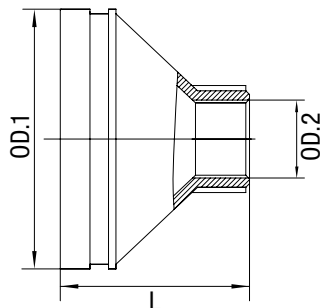
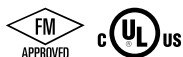
- Grooved

DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.1 x OD.2		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
2"x1¼"	GRTG2012P	GRTG2012G	60x42	2.38x1.66	70	2.76	1.81	0.82
2"x1½"	GRTG2014P	GRTG2014G	60x48	2.38x1.90	70	2.76	1.89	0.86
2½"x1"	GRTG2410P	GRTG2410G	73x34	2.87x1.33	76	2.99	2.43	1.10
2½"x1¼"	GRTG2412P	GRTG2412G	73x42	2.87x1.67	76	2.99	2.35	1.07
2½"x1½"	GRTG2414P	GRTG2414G	73x48	2.87x1.9	76	2.99	2.29	1.04
2½"x2"	GRTG2420P	GRTG2420G	73x60	2.87x2.37	76	2.99	2.49	1.13
3"x1"	GRTG3010P	GRTG3010G	89x34	3.50x1.32	86	3.39	3.96	1.80
3"x1¼"	GRTG3012P	GRTG3012G	89x42	3.50x1.66	86	3.39	3.42	1.55
3"x1½"	GRTG3014P	GRTG3014G	89x48	3.50x1.90	86	3.39	3.55	1.61
3"x2"	GRTG3020P	GRTG3020G	89x60	3.50x2.38	86	3.39	3.92	1.78
3"x2½"	GRTG3024P	GRTG3024G	89x73	3.5x2.87	86	3.39	3.90	1.77
4"x2"	GRTG4020P	GRTG4020G	114x60	4.50x2.38	102	4.00	6.02	2.73
4"x2½"	GRTG4024P	GRTG4024G	114x73	4.5x2.87	102	4.00	6.17	2.80
4"x3"	GRTG4030P	GRTG4030G	114x89	4.50x3.50	102	4.00	7.26	3.29
6"x1½"	GRTG6014P	GRTG6014G	168x48	6.63x1.90	140	5.51	13.13	5.96
6"x2"	GRTG6020P	GRTG6020G	168x60	6.63x2.38	140	5.51	14.05	6.37
6"x3"	GRTG6030P	GRTG6030G	168x89	6.63x3.50	140	5.51	14.11	6.40
6"x4"	GRTG6040P	GRTG6040G	168x114	6.63x4.50	140	5.51	14.63	6.64
8"x4"	GRTG8040P	GRTG8040G	219x114	8.63x4.50	175	6.89	24.36	11.05
8"x6"	GRTG8060P	GRTG8060G	219x168	8.63x6.63	175	6.89	26.26	11.91
10"x8"	GRTG1080P	GRTG1080G	273x219	10.75x8.63	215	8.46	40.12	18.20
12"x4"	GRTG1240P	GRTG1240G	324x114	12.75x4.5	245	9.65	59.52	27.00
12"x8"	GRTG1280P	GRTG1280G	324x219	12.75x8.63	245	9.65	61.73	28.00

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Grooved Couplings & Fittings

Ductile Iron Housing



GRRT – Concentric Reducer

Working Pressure

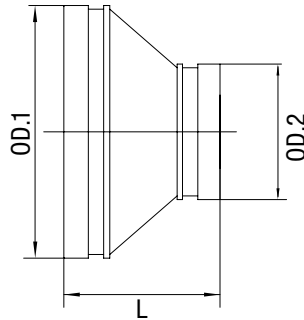
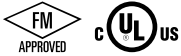
- 2"x1"–2"x1½": 300 PSI CWP
- 2½"x1"–2½"x2": 400 PSI CWP
- 3"x1"–8"x4": 300 PSI CWP

End Connection

- Grooved / Threaded

DIMENSIONS								
SIZE	PART NUMBER		PIPE OD.1 x OD.2		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
2"x1"	GRRT2010P	GRRT2010G	60x34	2.37x1.33	64	2.52	0.69	0.31
2"x1¼"	GRRT2012P	GRRT2012G	60x42	2.38x1.66	64	2.52	1.07	0.49
2"x1½"	GRRT2014P	GRRT2014G	60x48	2.38x1.90	64	2.52	0.94	0.43
2½" x 1"	GRRT2410P	GRRT2410G	73x34	2.87x1.33	64	2.52	0.88	0.40
2½"x1¼"	GRRT2412P	GRRT2412G	73x42	2.87x1.67	64	2.52	0.97	0.44
2½"x1½"	GRRT2414P	GRRT2414G	73x48	2.87x1.9	64	2.52	0.99	0.45
2½"x2"	GRRT2420P	GRRT2420G	73x60	2.87x2.37	64	2.52	1.04	0.47
3"x1"	GRRT3010P	GRRT3010G	89x34	3.00x1.32	64	2.52	1.17	0.53
3"x1¼"	GRRT3012P	GRRT3012G	89x42	3.00x1.66	64	2.52	1.43	0.65
3"x1½"	GRRT3014P	GRRT3014G	89x48	3.00x1.90	64	2.52	1.35	0.61
3"x2"	GRRT3020P	GRRT3020G	89x60	3.50x2.38	64	2.52	1.55	0.70
4"x1"	GRRT4010P	GRRT4010G	114x34	4.50x1.32	76	3.00	2.08	0.94
4"x1¼"	GRRT4012P	GRRT4012G	114x42	4.50x1.66	76	3.00	2.19	0.99
4"x1½"	GRRT4014P	GRRT4014G	114x48	4.50x1.90	76	3.00	2.21	1.00
4"x2"	GRRT4020P	GRRT4020G	114x60	4.50x2.38	76	3.00	2.24	1.02
4"x3"	GRRT4030P	GRRT4030G	114x89	4.50x3.50	76	3.00	2.53	1.15
6"x1"	GRRT6010P	GRRT6010G	168x34	6.63x1.32	102	4.02	2.66	1.21
6"x1¼"	GRRT6012P	GRRT6012G	168x42	6.63x1.66	102	4.02	-	-
6"x1½"	GRRT6014P	GRRT6014G	168x48	6.63x1.90	102	4.02	-	-
6"x2"	GRRT6020P	GRRT6020G	168x60	6.63x2.38	102	4.02	4.92	2.23
6"x3"	GRRT6030P	GRRT6030G	168x89	6.63x3.50	102	4.02	-	-
6"x4"	GRRT6040P	GRRT6040G	168x114	6.25x4.50	102	4.02	6.22	2.82
8"x1"	GRRT8010P	GRRT8010G	219x34	8.63x1.33	127	5.00	-	-
8"x1¼"	GRRT8012P	GRRT8012G	219x42	8.63x1.66	127	5.00	-	-
8"x1½"	GRRT8014P	GRRT8014G	219x48	8.63x1.90	127	5.00	-	-
8x2	GRRT8020P	GRRT8020G	219x60	8.63x2.38	127	5.00	8.66	3.93
8x3	GRRT8030P	GRRT80230G	219x89	8.63x3.50	127	5.00	8.71	3.95
8x4	GRRT8040P	GRRT8040G	219x114	8.63x4.50	127	5.00	TBA	TBA

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GRRG – Concentric Reducer

Working Pressure

- 2"x1¼"–5"x4": 400 PSI CWP
- 6"x2"–10"x8": 300 PSI CWP

End Connection

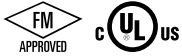
- Grooved

DIMENSIONS

SIZE	PART NUMBER		PIPE OD.1 x OD.2		L		WEIGHT	
inch	Painted	Galvanized	mm	inch	mm	inch	lbs	kg
2"x1¼"	GRRG2012P	GRRG2012G	60x42	2.38x1.66	64	2.52	1.30	0.59
2"x1½"	GRRG2014P	GRRG2014G	60x48	2.38x1.90	64	2.52	1.26	0.57
2½"x1¼"	GRRG2412P	GRRG2412G	73x42	2.87x1.67	64	2.52	0.94	0.42
2½"x1½"	GRRG2414P	GRRG2414G	73x48	2.87x1.9	64	2.52	0.93	0.42
2½"x2"	GRRG2420P	GRRG2420G	73x60	2.87x2.37	64	2.52	1.02	0.46
3"x1¼"	GRRG3012P	GRRG3012G	89x42	3.00x1.66	64	2.52	1.28	0.58
3"x1½"	GRRG3014P	GRRG3014G	89x48	3.00x1.90	64	2.52	1.43	0.65
3"x2"	GRRG3020P	GRRG3020G	89x60	3.50x2.38	64	2.52	1.51	0.68
3"x2½"	GRRG3024P	GRRG3024G	89x73	3.5x2.87	64	2.52	1.26	0.57
4"x1½"	GRRG4014P	GRRG4014G	114x48	4.5x1.9	76	2.99	1.79	0.81
4"x2"	GRRG4020P	GRRG4020G	114x60	4.50x2.38	76	3.00	2.10	0.95
4"x2½"	GRRG4024P	GRRG4024G	114x73	4.5x2.87	76	2.99	1.95	0.88
4"x3"	GRRG4030P	GRRG4030G	114x89	4.50x3.50	76	3.00	2.35	1.07
5"x2"	GRRG5020P	GRRG5020G	140x60	5.5x2.37	89	3.50	2.31	1.05
5"x4"	GRRG5040P	GRRG5040G	140x 114	5.5x4.5	89	3.50	2.95	1.34
6"x2"	GRRG6020P	GRRG6020G	168x60	6.63x2.38	102	4.02	4.56	2.07
6"x2½"	GRRG6024P	GRRG6024G	168x 73	6.63x2.87	102	4.02	3.97	1.80
6"x3"	GRRG6030P	GRRG6030G	168x89	6.63x3.50	102	4.02	5.30	2.40
6"x4"	GRRG6040P	GRRG6040G	168x114	6.63x4.50	102	4.02	4.72	2.14
8"x2"	GRRG8020P	GRRG8020G	219x60	8.63x2.37	127	5.00	7.28	3.30
8"x2½"	GRRG8024P	GRRG8024G	219x73	8.65x2.87	127	5.00	8.16	3.70
8"x3"	GRRG8030P	GRRG8030G	219x89	8.63x3.50	127	5.00	8.05	3.65
8"x4"	GRRG8040P	GRRG8040G	219x114	8.63x4.50	127	5.00	7.22	3.27
8"x5"	GRRG8050P	GRRG8050G	219x139	8.63x5.5	127	5.00	7.72	3.50
8"x6"	GRRG8060P	GRRG8060G	219x168	8.63x6.63	127	5.00	8.34	3.78
10"x4"	GRRG1040P	GRRG1040G	273x114	10.75x4.5	152	5.98	14.09	6.39
10"x6"	GRRG1060P	GRRG1060G	273x168	10.75x6.63	152	5.98	14.25	6.46
10"x8"	GRRG1080P	GRRG1080G	273x219	10.75x8.63	152	5.98	14.48	6.57

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Grooved Couplings & Fittings



Specification

- All listed fittings and couplings are UL/ULC listed and FM approved for wet and dry automatic sprinkler systems.
- ISO 9001 Manufacturing facility.
- Ductile iron housings conform to ASTM A-536.
- Pre-lubrication Grade E gasket (EPDM) and standard for all gasketed fittings and couplings.
- Gasket Option:

Grades	Compound	Colour Code	Temperature Range	Service / Recommended
E	EPDM	Green	-34°C to 110°C	Cold and hot water within specified temperature range; a variety of chemicals and oil-free air. Not recommended for services involving oil, grease and hydrocarbons.
T	Nitrile	Orange	-29°C to 82°C	Petroleum products, food and mineral oils, and services involving hydrocarbons.
L	Silicone	Red	-40°C to 177°C	Potable water and dry hot air.

- Electroplated, oval neck track head bolts conform to ASTM-A183 with minimum tensile strength of 110,00psi.
- Orange painted and Galvanized finishes are in regular stock; Epoxy coated finish is available upon special request.
- Product weight are approximate and subject to change.
- NCI keeps the right to update the product design and specification without notice. Please visit www.ncicanada.com for the most up to date product information.

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**Our Grooved Couplings and Fittings
are available in painted, galvanized
and epoxy coatings**



Contact NCI Canada today to learn more
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Notes

Lined area for notes.

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- Pressure Gauge Accessories
- Temperature Gauge and Thermometers
- Thermowells
- Block and Bleed Valves
- Needle Valves
- Manifolds



Metal Fittings

- Grooved Couplings and Fittings
- Press System
- H.P. Copper Fittings for ACR applications
- Schedule 40, 80 and XXH Seamless Steel Nipples
- Schedule 40 Welded Steel Nipples
- Bronze Fittings and Brass Nipples
- Weld Outlets



Plastic Pipe, Valves and Fittings

- ABS Fittings
- PVC Schedule 40 & 80 Valves and Fittings
- CPVC-CTS Pipe and Fittings
- CPVC Schedule 80 Valves and Fittings
- PP Schedule 80 Pipe, Valves and Fittings
- PVDF Schedule 80 Pipe, Valves and Fittings
- Flexible Couplings and Connectors
- PVC & Nylon Insert Fittings



Fire Protection Valves

- FP. Brass and Bronze Ball Valves
- FP. Bronze Gate, Globe and Check valves
- FP. Iron Gate Valves and Indicator Posts
- FP. Resilient Seat Gate Valves
- FP. Butterfly Valves
- FP. Check valves



Commercial and Industrial Valves (stocked in a 9001:2015 compliant facility)

- Brass and Bronze Ball Valves
- Bronze Gate, Globe and Check Valves
- Cast Iron Gate, Globe and Check valves
- Commercial and High Performance Butterfly Valves
- Gas Ball Valves
- Carbon Steel and Stainless Steel Ball Valves
- Carbon Steel and Stainless Steel Gate, Globe and Check Valves

- Double Door and Silent Check valves
- Y-Strainers and Basket Strainers
- Commercial Knife Gate Valves
- Suction Diffuser
- Triple Duty Valves



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