

## Section 11. API 7500lb Mud Gate Valves

### Section 11a API 7500lb Rubber Seated Mud Gate Valves

Gate Valves are designed and manufactured in accordance with the following specifications:-

<b>API 6A</b>	Specification for Wellhead and Christmas Tree Equipment
<b>ANSI B31.3</b>	Chemical Plant and Petroleum Refinery Piping
<b>ASME VIII</b>	Boiler and Pressure Vessel Code
<b>MSS-SP-55</b>	Quality Standard for Steel Castings for Valve, Flanges and Fittings and Other Piping Components
<b>NACE MR-01-75</b>	Sulphide Stress Cracking Resistant Metallic Materials for Oilfield Equipment

Gate Valves are available in either rubber or metal seated designs depending upon actual service conditions. Contact Forum for further details:

PRESSURE & TEMPERATURE RATINGS		
RUBBER SEATED MUD GATE VALVES		
<b>MAX. WORKING PRESSURE</b>	7,500 PSI	
TEST PRESSURE	11,250 PSI	
API TEMPERATURE RATING	P (-29 DEG C) TO U (+121 DEG C)	
MATERIAL REQUIREMENTS		
MATERIAL CLASS	BoDY, BoNNET, END AND oUTLET CoNNECTIoNS	PRESSURE CoNTRoLLING PARTS E.G. STEMS
AA - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	CARBON OR LOW ALLOY STEEL
BB - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	STAINLESS STEEL
DD - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	CARBON OR LOW ALLOY STEEL*
EE - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	STAINLESS STEEL*

\*\*As defined in NACE MR-01-75 \*In accordance with NACE MR-01-75

GENERAL NOTE: Please contact GonPetro for any special material or dimensional requirements.

Section 11a. API 7500lb Rubber Seated Mud Gate Valves

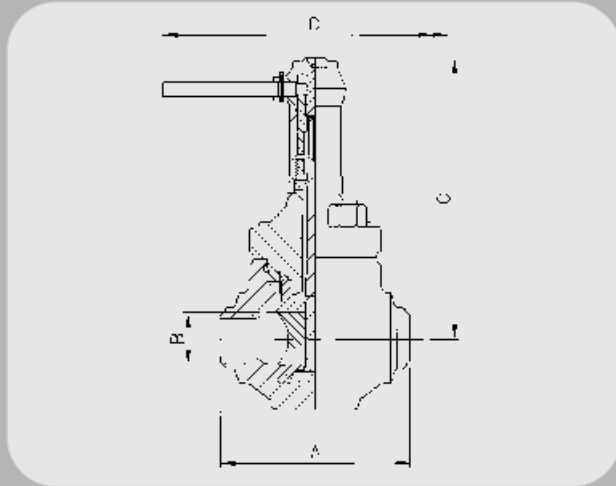


Table 11a.1 Butt Weld End Valves					
Size (in)	2x3	3	4	5x4	6x5
A (End to End)	279	279	330	330	457
B (Seat Bore)	51 (76)	76	102	102	130
C (Open)	457	457	625	625	806
D (Handle Dia)	383	483	584	584	610
Weight (kg)	95	95	100	100	243

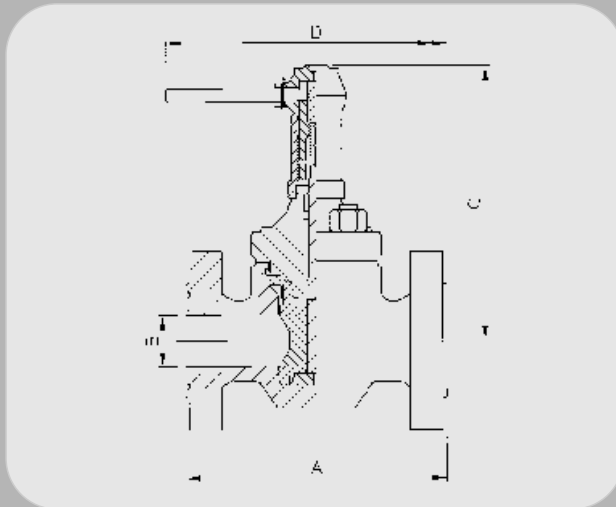
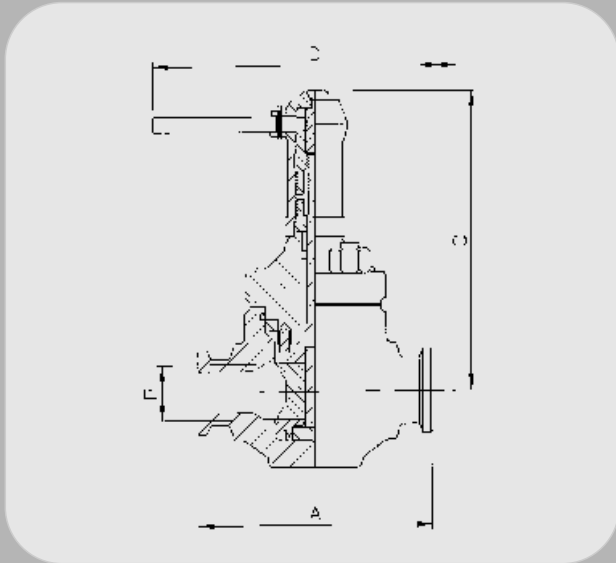


Table 11a.2 10,000lb Flanged End Valves				
Size (in)	2 <sup>1</sup> / <sub>16</sub> 3	1 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>16</sub> 5	1 <sup>1</sup> / <sub>8</sub>
A (End to End)	467	619	670	737
B (Seat Bore)	51 (76)	76	102	130
C (Open)	457	457	625	806
D (Handle Dia)	483	483	584	610
Weight (kg)	140	150	221	360

GENERAL NOTE: Dimensions are in mm.



**Table 11a.3 Hub End Valves**

Size (in)	2x3	3	4	5x4	6x5
A (End to End)	425	451	521	559	581
B (Seat Bore)	51 (76)	76	102	102	132
C (Open)	457	457	625	625	805
D (Handle Dia)	483	483	584	584	610
Weight (kg)	99	102	110	120	275

GENERAL NOTE: Dimensions are in mm.

## Section 11. API 7500lb Mud Gate Valves

### Section 11b API 7500lb Metal Seated Mud Gate Valves

Gate Valves are designed and manufactured in accordance with the following specifications:-

<b>API 6A</b>	Specification for Wellhead and Christmas Tree Equipment
<b>ANSI B31.3</b>	Chemical Plant and Petroleum Refinery Piping
<b>ASME VIII</b>	Boiler and Pressure Vessel Code
<b>MSS-SP-55</b>	Quality Standard for Steel Castings for Valve, Flanges and Fittings and Other Piping Components
<b>NACE MR-01-75</b>	Sulphide Stress Cracking Resistant Metallic Materials for Oilfield Equipment

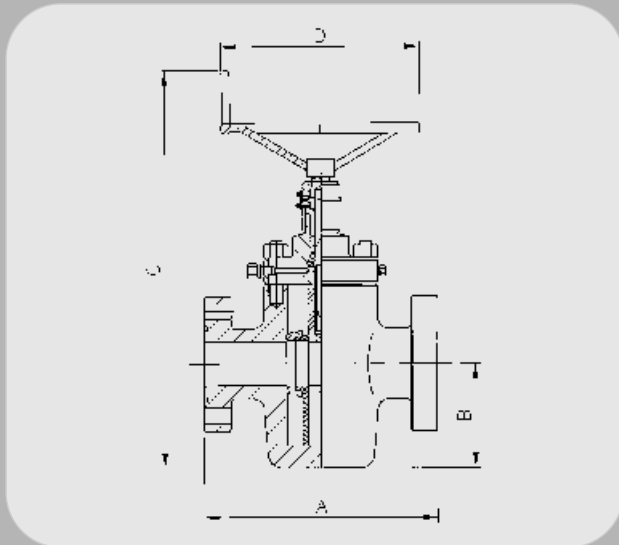
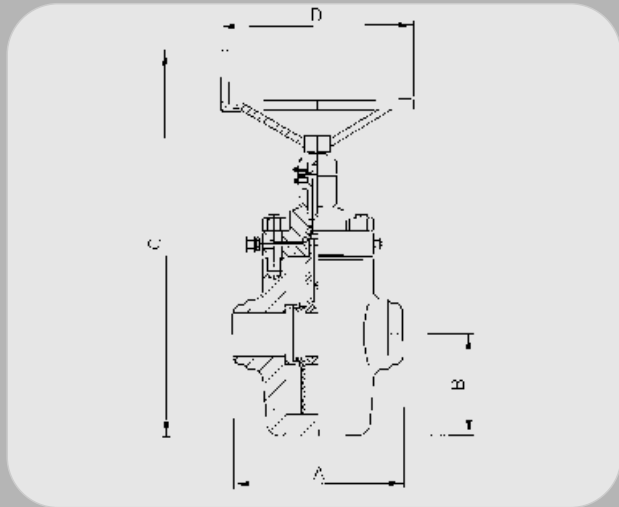
Gate Valves are available in either rubber or metal seated designs depending upon actual service conditions. Contact GonPetro for further details:

PRESSURE & TEMPERATURE RATINGS		
METAL SEATED MUD GATE VALVES		
<b>MAX. WORKING PRESSURE</b>	<b>7,500 PSI</b>	
TEST PRESSURE	11,250 PSI	
API TEMPERATURE RATING	K (-60 DEG C) TO Y (+345 DEG C)	
MATERIAL REQUIREMENTS		
MATERIAL CLASS	BoDY, BoNNET, END AND oUTLET CoNNECTIoNS	PRESSURE CoNTRoLLING PARTS E.G. STEMS
AA - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	CARBON OR LOW ALLOY STEEL
BB - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	STAINLESS STEEL
DD - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	CARBON OR LOW ALLOY STEEL*
EE - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	STAINLESS STEEL*

\*\*As defined in NACE MR-01-75 \*In accordance with NACE MR-01-75

GENERAL NOTE: Please contact GonPetro for any special material or dimensional requirements.  
 Max.working pressures stated are suitable for temperatures up to 121°C.  
 De-rating of max.working pressure will occur as the operating temperature increases above 121°C. Consult GonPetro for further details.

Section 11b. API 7500lb Metal Seated Mud Gate Valves



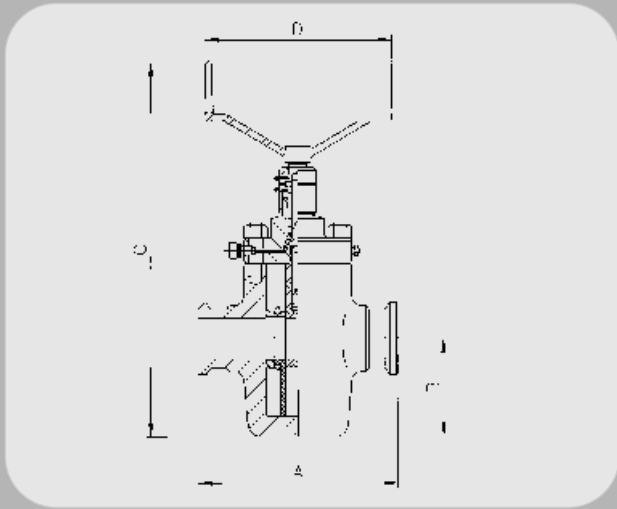
**Table 11b.1 Butt Weld End Valves**

Size (in)	1½ 2	¼ 16	¾ 4	⅝ 5	⅜ 8
A (End to End)	254	286	318	362	483
B (Ctr to Base)	112	144	185	249	294
C (Open)	577	626	821	816	927
D (Handle Dia)	356	356	457	457	559
Weight (kg)	65	75	130	230	420

**Table 11b.2 API 10,000lb Flanged End Valves**

Size (in)	2⅝ 3	¼ 16	4⅝ 5	⅜ 8
A (End to End)	372	473	549	686
B (Ctr to Base)	144	185	249	294
C (Open)	736	821	816	927
D (Handle Dia)	356	470	457	559
Weight (kg)	100	190	350	600

GENERAL NOTE: Dimensions are in mm.



**Table 11b.3 Hub End Valves**

Size (in)	1/2 2	1/16	3/16 4	1/16 5	1/8
A (End to End)	279	295	371	417	483
B (Ctr to Base)	112	144	185	230	294
C (Open)	566	626	821	797	927
D (Handle Dia)	356	356	457	457	559
Weight (kg)	70	80	136	234	432

GENERAL NOTE: Dimensions are in mm.

## Section 12. API 6A Plug Valves

Plug Valves are designed and manufactured in accordance with the following specifications:-

<b>API 6A</b>	Specification for Wellhead and Christmas Tree Equipment
<b>ANSI B31.3</b>	Chemical Plant and Petroleum Refinery Piping
<b>ASME VIII</b>	Boiler and Pressure Vessel Code
<b>NACE MR-01-75</b>	Sulphide Stress Cracking Resistant Metallic Materials for Oilfield Equipment

Plug Valves are available in either lever, gearbox or remote operation for use in the following pressure ratings and services.

PRESSURE & TEMPERATURE RATINGS			
MAX. WORKING PRESSURE	5,000 PSI	10,000 PSI	15,000 PSI
TEST PRESSURE	7,500 PSI	15,000 PSI	22,500 PSI
PRODUCT SPECIFICATION LEVELS	1, 2, 3 & 4	1, 2, 3 & 4	1, 2, 3 & 4
API TEMPERATURE RATING	P (-29 DEG C) TO U (+121 DEG C)	P (-29 DEG C) TO U (+121 DEG C)	P (-29 DEG C) TO U (+121 DEG C)

MATERIAL REQUIREMENTS		
MATERIAL CLASS	BoDY, BoNNET, END AND oUTLET CoNNECTIoNS	PRESSURE CoNTRoLLING PARTS E.G. STEMS
AA - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	CARBON OR LOW ALLOY STEEL
BB - GENERAL SERVICE	CARBON OR LOW ALLOY STEEL	STAINLESS STEEL
CC - GENERAL SERVICE	STAINLESS STEEL	STAINLESS STEEL
DD - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	CARBON OR LOW ALLOY STEEL*
EE - SOUR SERVICE**	CARBON OR LOW ALLOY STEEL*	STAINLESS STEEL*
FF - SOUR SERVICE**	STAINLESS STEEL*	STAINLESS STEEL*

\*\*As defined in NACE MR-01-75 \*In accordance with NACE MR-01-75

GENERAL NOTE: Please contact GonPetro for any special material or dimensional requirements.