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|--------------------------------|-----------------------------|------------------------------|-------------------------------|---------------------|-------------------|-----------------|
| Piping and valve specification | Doc.no. TR2000 | Sec.no. 4 | TR2000 | | | |
| Valve data sheet: GT039 | Area Non-regional | Rev.no. H | Rev.date 04.10.2006 | Status: O | Page: 1 | Of: 1 |

VALVETYPE : GATE
 CODE : API 602
 |SIZE RANGE : 0.5" - 8"
 RATING : CLASS 150

| | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|
| Maximum design pressure : | Barg | 19.6 | 19.6 | 19.2 | 15.0 | | | | | | | | |
| At temperature : | °C | -46 | 38 | 50 | 100 | | | | | | | | |

OPTIONS : Trim Material: Optn's A and B (Detailed below)
 END : Flanged to ANSI B16.5, RF
 CONNECTION
 END TO END DIM : ANSI B16.10
 HOUSING : Bolted bonnet
 DESIGN
 TRIM DESIGN : Gate: Solid wedge
 : Seats: Renewable
 STEM SEAL : Packed gland, Outside screw and yoke, Rising stem
 DESIGN
 MATERIALS

| ITEM | SUBITEM | MATERIAL | MDS | ESK |
|--------------------|-----------------|---|---------------------|---------------------|
| HOUSING | Body and bonnet | B367 C2 | T52 | --C |
| | | B381 F2 | T02 | --C |
| INSIDE TRIM | Stem | B348 | | |
| | Wedge | B381 | | |
| | Seat | B381 | | |
| | | To avoid galling for trim material: | | |
| | | Option A: Use grade 2 and 5 materials. | | |
| | | Option B: Hardfacing by Nitriding. | | |
| SEALS | Stem packing | Expanded graphite not less than 98% purity. | | |
| OUTSIDE TRIM | Bolting | ASTM F467/468 grade 5 or 19 | | |
| | Handwheel | AISI 316/304 | | |
| SPECIAL MAT.REQ'M. | | | | |

MISCELLANEOUS REQUIREMENTS

| ITEM | VSK | DESCRIPTION |
|------|-----|-------------|
|------|-----|-------------|

| | | Reference | |
|--|-------------------|-----------------------|--|
| | GENERAL | V 046 | |
| | TESTING | V 055 | |
| | MARKING | V 003 | |
| | OPERATOR | V 009 | Shall also apply up to 3" |
| | PROJECT REQ'M. | | (Surface protection, Preservation, etc. to be specified in separate project document) |
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