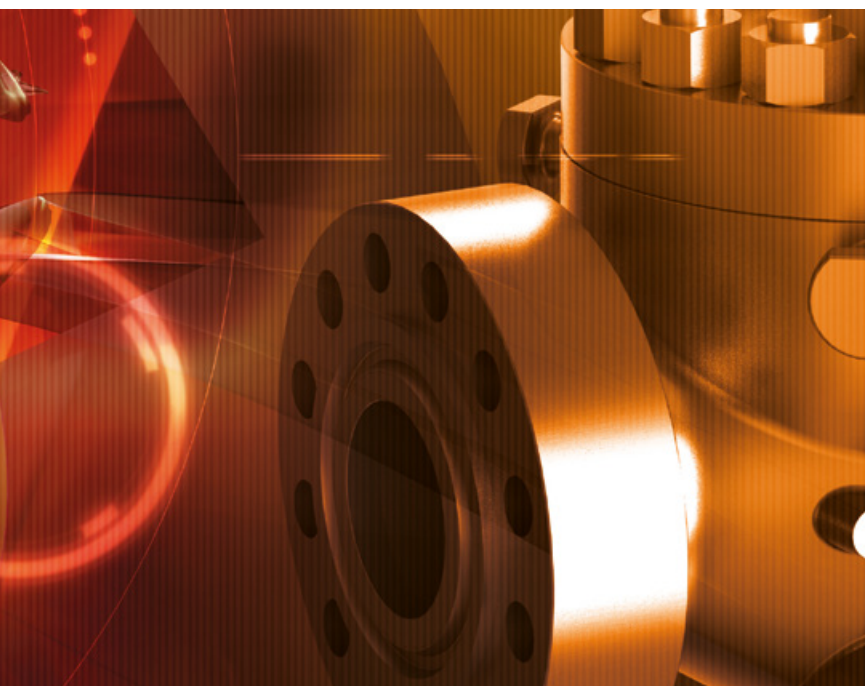


API6D / 6DSS / 6A

BALL AND GATE VALVES CONTROL BALL VALVES



	<p>HB-1 Side Entry ball valve</p> <ul style="list-style-type: none"> • Forged body • Bi-directional • Anti-blow-out stem design • Sizes: from 2" to 60" – from 1" 13/16 to 9" • Pressure ratings: ASME Class 150 to 2500 – API 3000 to 10000 • Soft or metal seated • Double block and bleed • SR, DPE (DIB-1) or dual seat (DIB-2) design • Ambient, low or high temperature service • Above ground, buried or subsea service
	<p>HB-2 Top Entry ball valve</p> <ul style="list-style-type: none"> • Cast or forged body • Bi-directional • Anti-blow-out stem design • Sizes: from 2" to 60" – from 1" 13/16 to 9" • Pressure ratings: ASME Class 150 to 2500 – API 3000 to 10000 • Soft or metal seated • Double block and bleed • SR, DPE (DIB-1) or dual seat (DIB-2) design • Ambient, low or high temperature service • Above ground, buried or subsea service
	<p>HB-3 Fully Welded ball valve</p> <ul style="list-style-type: none"> • Forged body • Bi-directional • Anti-blow-out stem design • Sizes: from 2" to 60" • Pressure ratings: ASME Class 150 to 2500 • Soft or metal seated • Double block and bleed • SR, DPE (DIB-1) or dual seat (DIB-2) design • Ambient, low or high temperature service • Above ground, buried or subsea service
	<p>HB-4 Twin ball valve (DBB)</p> <ul style="list-style-type: none"> • Forged body • Anti-blow-out stem design • Integral bleed valve • Sizes: from 1 1/2" to 24" – from 1 13/16" to 9" • Pressure ratings: ASME Class 150 to 2500 – API 3000 to 10000 • Soft or metal seated • Double block and bleed • Ambient, low or high temperature service • Above ground or subsea service

TECHNICAL SPECIFICATIONS

VALVE CATEGORY	PRODUCT SIZE	WORKING PRESSURE RATINGS
HB Series	From 1 1/2" to 60"	Up to ASME Class 2500/API 10000
HG Series	From 1" 13/16 to 60"	Up to ASME Class 2500/API 10000
HC Series	From 2" to 60"	Up to ASME Class 2500

Other sizes, reduced bore sizes and pressure classes are available upon request.

TEMPERATURE RANGE

- Low temperature down to -125 °C
- High temperature +220 °C to +400 °C







OPERATION

Manual lever, gearbox, actuator (electric, pneumatic, hydraulic, gas-over-oil actuators).

	<p>HG-1/F Through Conduit Slab gate valve, forged body</p> <ul style="list-style-type: none"> • Forged body • Rising and non-rising stem • Sizes: from 2" to 60" – from 1" 13/16 to 11" • Pressure ratings: ASME Class 150 to 2500 – API 3000 to 10000 • Soft or metal seated • Soft or metal backseat • Normal or reverse acting • Double block and bleed • Ambient or low temperature • Above ground, buried or subsea service
	<p>HG-1/C Through Conduit Slab gate valve, cast body</p> <ul style="list-style-type: none"> • Cast body • Rising and non-rising stem • Sizes: from 2" to 60" • Pressure ratings: ASME Class 150 to 2500 • Soft or metal seated • Soft or metal backseat • Normal or reverse acting • Double block and bleed • Ambient or low temperature • Above ground, buried or subsea service
	<p>HG-2 Double Expanding gate valve</p> <ul style="list-style-type: none"> • Forged or cast body • Rising stem • Double block and bleed in open and closed position • Positive sealing • Replaceable seats • Sizes: from 2" to 48" – from 1" 13/16 to 9" • Pressure ratings: ASME Class 150 to 2500 – API 3000 to 10000 • Metal seated • Ambient, low or high temperature service • Above ground or subsea
	<p>HG-3 Through Conduit Fabricated gate valve</p> <ul style="list-style-type: none"> • Fabricated body • Rising stem • Sizes: from 2" to 60" • Pressure ratings: ASME Class 150 to 900 • Primary metal secondary soft seated • Soft backseat • Normal or reverse acting • Double block and bleed • Ambient or low temperature • Above ground and buried

MATERIAL SECTION

BODY	OBTURATOR/SEATS	STEM	SEATING	SEALS	BOLTING
CARBON STEEL › A105 › WCB › LCC › LF2 › LF3 › F60/F65 › EN 10028 S355 › A516 Gr. 70 STAINLESS STEEL › 316 › 321 › 347 › 13Cr › 13Cr4Ni › 17-4PH › 6Mo › Nitronic DUPLEX SS SUPERDUPLEX SS NICKEL ALLOYS › Inconel › Monel TITANIUM	CARBON STEEL › A105 › LF2 › LF3 › F60/F65 › EN 10028 S355 › A516 Gr.70 STAINLESS STEEL › 316 › 321 › 347 › 13Cr › 13Cr4Ni › 17-4PH › 6Mo › Nitronic DUPLEX SS SUPERDUPLEX SS NICKEL ALLOYS › Inconel › Incoloy › Monel TITANIUM	CARBON STEEL › 4140 › LF3 › F60/F65 STAINLESS STEEL › 316 › 13Cr › 13Cr4Ni › 17-4PH › 6Mo › Nitronic DUPLEX SS SUPERDUPLEX SS NICKEL ALLOYS › Inconel › Monel TITANIUM	SOFT SEATING › RPTFE › NYLON › PEEK › PCTFE METAL SEATING › TCC › ENP › CCC › Ni-SiC › Stellite	› RPTFE › FKM › HNBR › FFKM › Graphite	CARBON STEEL › B7/2H › L7/7 › B7M/2HM › L7M/7M › L43/7 STAINLESS STEEL › B8/8 › B8M/8M › 660 SUPERDUPLEX SS NICKEL ALLOYS › Inconel TITANIUM

	<p>Control ball valve</p> <ul style="list-style-type: none"> • Forged body • Anti-blow-out stem design • High rangeability • High flow capacity • Sizes: from 2" to 60" • Pressure ratings: ASME Class 150 to 2500 • Soft or metal seated • SR, DPE (DIB-1) or dual seat (DIB-2) • Ambient, low or high temperature service • Above ground or subsea service
	<p>HC-1 Full port</p>
	<p>HC-2 V-Port</p>
	<p>HC-3 Mono stage</p>
	<p>HC-4 Multi stage</p>
	<p>HC-5 High performance stage</p>
	<p>HC-6 Drilled ball</p>
	<p>HC-7 Limiball</p>

PRODUCT STANDARDS AND CUSTOMER SPECIFIC TESTS

STANDARD TESTS	OPTIONAL TESTS	
<ul style="list-style-type: none"> • Stem Backseat Test • Hydrostatic Shell • Hydrostatic Seat Test • Low Pressure Gas Test • Cavity Relief Test • Functional Test • Anti-static Test 	<ul style="list-style-type: none"> • Torque Test • Endurance Test (cycling) • Drift Tool Test • Double Isolation and Bleed Test • Double block and bleed Test • High Pressure Gas Test • Drive Train Strength Test • Fugitive Emission Test 	<ul style="list-style-type: none"> • Low Temperature/Cryogenic Test • High Temperature Test • TAT to MESC 77/300A • PR2 • Firesafe Test • Hyperbaric Test • Others

QUALITY CERTIFICATES

SYSTEM CERTIFICATIONS	PRODUCT LICENSES AND QUALIFICATIONS TO SPECIFIC STANDARDS AND APPLICATION REQUIREMENTS	SAFETY INTEGRATION LEVEL CERTIFICATION	APPROVALS TO RELEVANT MARKETS
<ul style="list-style-type: none"> • ISO 9001 • ISO 14001 • OHSAS 18001 	<ul style="list-style-type: none"> • API 6D/6DSS/6A • PED • ATEX 	<ul style="list-style-type: none"> • SIL 3 	<ul style="list-style-type: none"> • Achilles JQS • FPAL • TRCU 032-2013 • EAC • CRN (Canadian Registration Number) • Shell TAT (Type Acceptance Test)

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- **PROCUREMENT DEPARTMENT:** procurement@hitvalve.com
- **WORLDWIDE SERVICE SUPPORT:** sales@hitvalve.com
- **GENERAL REQUEST:** info@hitvalve.com

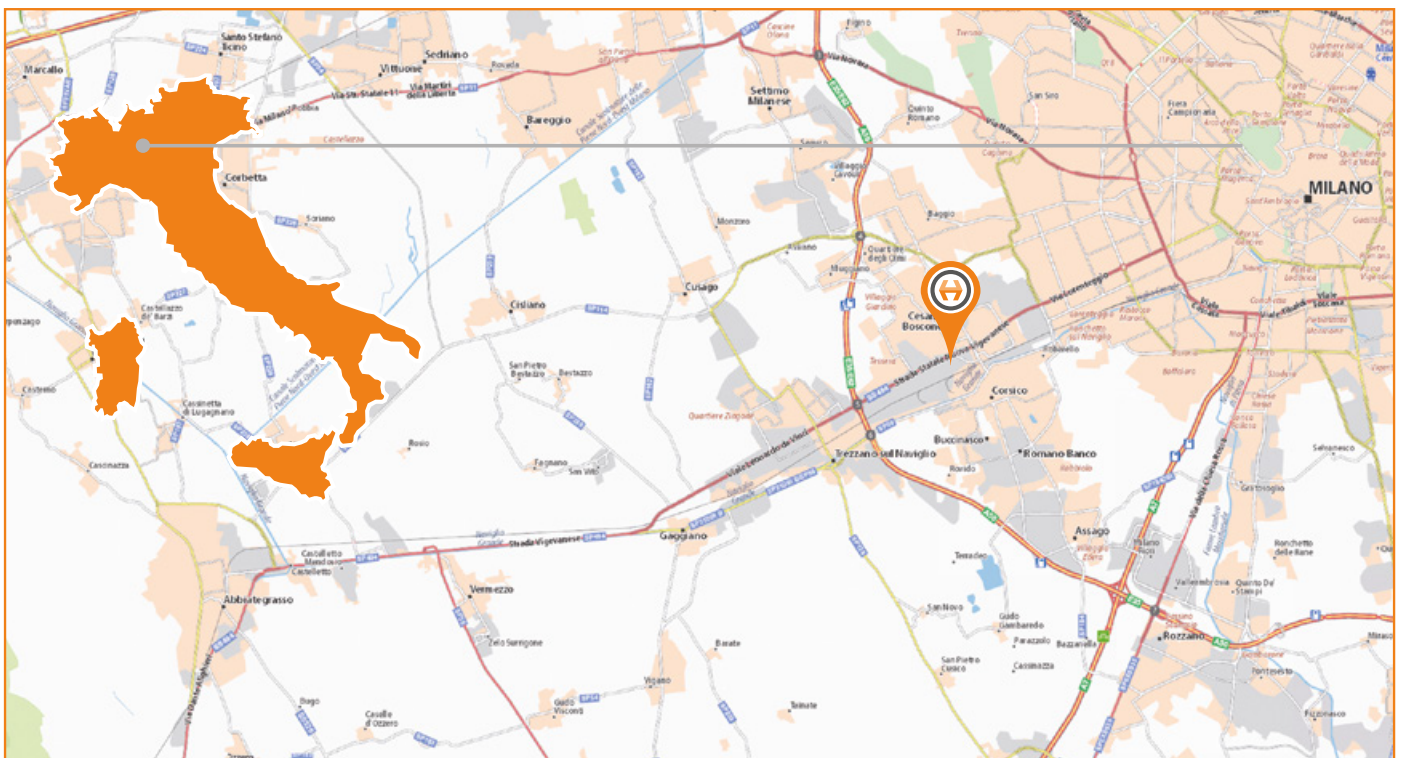
For more detailed information about the Company, please visit our website www.hitvalve.com and free download proper supporting documents:

- **CERTIFICATES**
under the section **QUALITY**
- **CATALOGUES FOR EACH PRODUCT CATEGORY**
under the section **DOWNLOAD AREA**
- **CUSTOMER APPROVALS**
under the section **DOWNLOAD AREA**
- **VALVE SIZING CALCULATOR GUIDE FOR CONTROL BALL VALVES**
under the section **VALVE SIZING CALCULATOR**

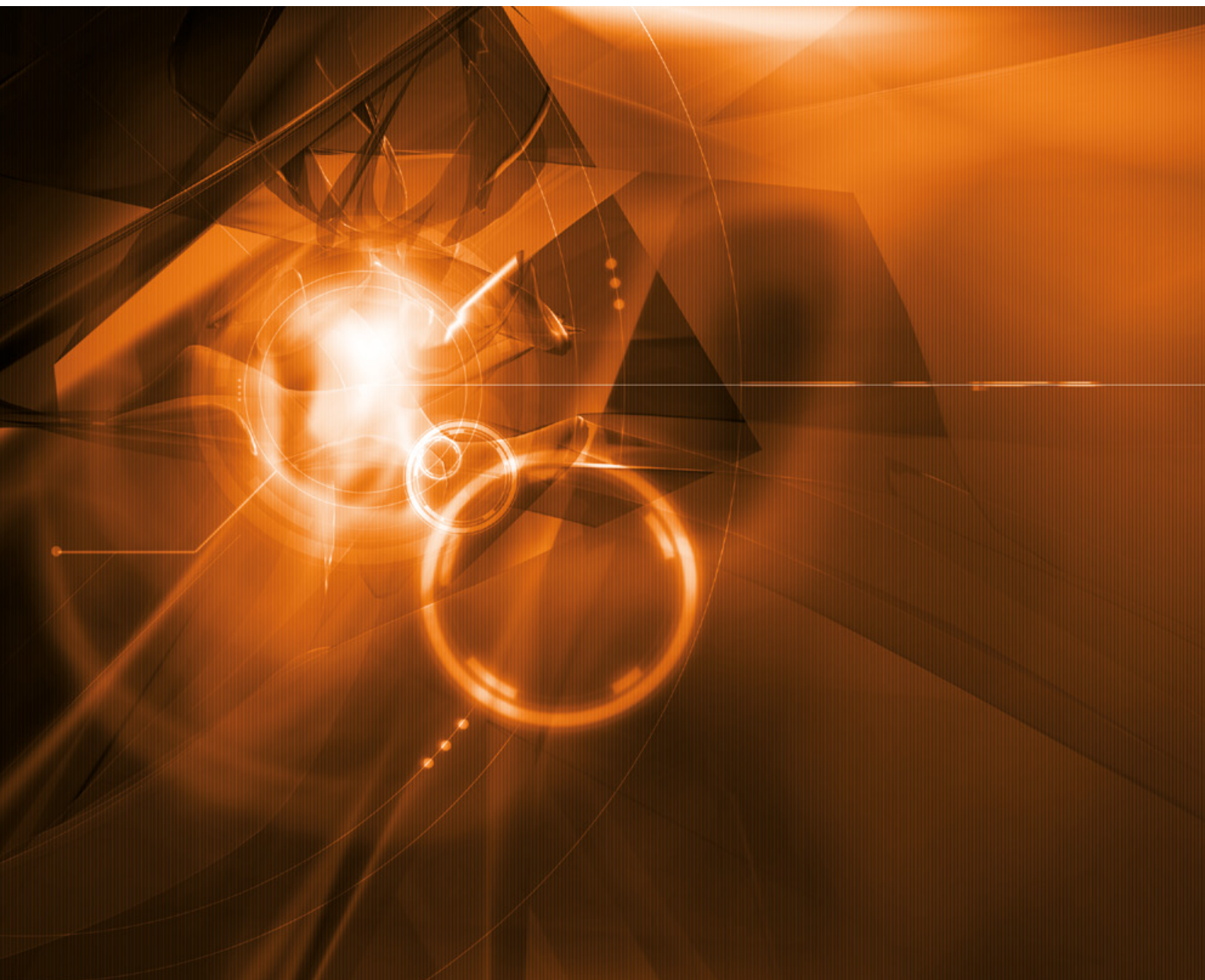
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