





SKU: AB4291

-  VOLT Pneumatic Actuated Ball Valve for Higher Temperatures
-  VOLT Pneumatisch betätigte Kugelhahn für höhere Temperatur
-  VOLT Válvula de bola con actuador neumático para mayor temperatura
-  VOLT Pneumatique Actuated Ball Valve pour l'augmentation de la température

Valves[™]
O N L I N E

- 1/2" - 2" Screwed High Temperature Ball valve with Pneumatic Actuator
- 1/2" - 2" Verschraubt Hochtemperaturkugelhahn mit pneumatischem Antrieb
- 1/2" - 2" Atornillada Válvula de bola de alta temperatura con actuador neumático
- 1/2" - 2" Vissée haute température vanne à bille avec actionneur pneumatique

Pneumatic Actuated Ball Valve for Higher Temperatures



- **Fully Maintainable**
- **Sizes From 1/2" - 2"**
- **Spring Return or Double Acting**
- **Temperature up to 180° C**

Description

VOLT Series Heavy duty, fully encapsulated ball valve, offers a three piece designed, full bore ball valve. Carbon Reinforced TFM ball seats and grafoil body seals for high temperature applications. The valve is fitted via our TSM Extension Bracket that dissipates heat from actuator and valve, onto a powerful pneumatic actuator (double acting and spring return) (Spring Open on request) . The units are readily available, giving a package that offers strength and reliability. The HP range of pneumatic actuators are manufactured from aluminium and have a hard anodised finish. The valve is fully maintainable and seal kits are available on request. Options for end connections: BSP or NPT Screwed, Socket Weld and Butt Weld.



Description

Spring Close or Direct Acting Pneumatic actuator, fitted via a special extension bracket onto our Volt High Temperature full bore ball valve. Screwed BSP, NPT or Socket Weld ends, TFM1600 + 15% carbon filled seats
Class 800 (2000 psi) 1/2"-1"
Class 600 (1500 psi) 14"-2"
(ATEX Approved)



Beschreibung

Frühling Close oder direkt gesteuert Schwenkantrieb, über eine spezielle Erweiterung Halterung auf unserer Volt Hochtemperatur-Kugelhahn mit vollem Durchgang ausgestattet. Verschraubt BSP, NPT oder Schweißmuffen, TFM1600 + 15% Kohlenstoff gefüllte Sitze Class 800 (2000 psi) 1/2 "-1"
Class 600 (1500 psi) 14 "-2" (ATEX -Zulassung)



Descripción

Primavera Cerrar o actuador neumático de acción directa, montado a través de un soporte de extensión especial en nuestra Volt alta temperatura válvula de bola de paso total. Screwed BSP, NPT o Socket Weld termina, TFM1600 + 15 % de carbono lleno asientos de Clase 800 (2000 psi) 1/2 "-1"
Clase 600 (1500 psi) 14 "-2" (ATEX Aprobado).



description

Printemps Fermer ou actionneur pneumatique direct par intérim, équipée par un support d'extension spéciale sur notre Volt haute température vanne à boisseau sphérique à passage intégral. Vissée BSP, NPT ou Socket Weld se termine, TFM1600 + 15 % carbone rempli sièges en classe 800 (2000 psi) 1/2 "-1"
Classe 600 (1500 psi) 14 "-2" (ATEX approuvé)

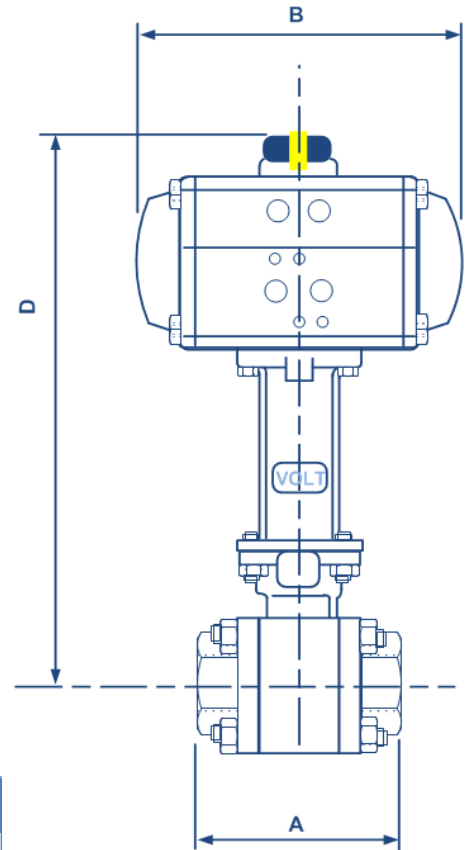
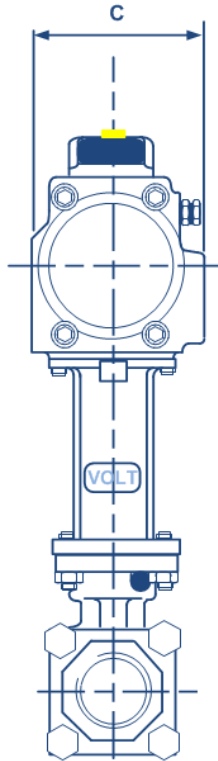


VOLT Pneumatic Actuated Ball Valve for Higher Temperatures
 VOLT Pneumatisch betätigte Kugelhahn für höhere Temperatur
 VOLT Válvula de bola con actuador neumático para mayor temperatura
 VOLT Pneumatique Actuated Ball Valve pour l' augmentation de la température

Pneumatically Actuated Ball Valve

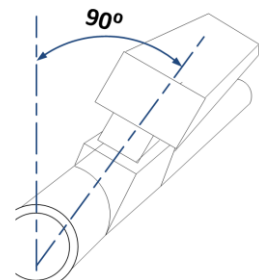
Pneumatically operated the high temperature actuated ball valve offers the ideal solution to automatic isolation for temperatures up to 180°C

**For Higher Temperatures
Please contact our sales
department.**



Dimensions					
Spring Return Full Bore					
VALVE	Spring Return	Full Bore A	B	C	D
1/2"	HP66S	75	202	85	150
3/4"	HP66S	80	202	85	150
1"	HP66S	90	202	85	157
1 1/4"	HP66S	110	202	85	165
1 1/2"	HP75S	120	210	96	167.2
2"	HP88S	140	247	108	190.5

Dimensions					
Double Acting Full Bore					
VALVE	Double Acting	Full Bore A	B	C	D
1/2"	HP63D	75	202	85	250
3/4"	HP63D	80	202	85	250
1"	HP63D	90	202	85	257
1 1/4"	HP63D	110	202	85	265
1 1/2"	HP66D	120	202	85	287
2"	HP75D	140	210	96	311



Recommended Installation



VOLT Pneumatic Actuated Ball Valve for Higher Temperatures
 VOLT Pneumatich betätigte Kugelhahn für höhere Temperatur
 VOLT Válvula de bola con actuador neumático para mayor temperatura
 VOLT Pneumatique Actuated Ball Valve pour l' augmentation de la température

Ball Valve Details

3-Pce Full Bore Heavy Duty Stainless Steel Direct Mount Ball Valve
 Firesafe Design and Construction, certified API 607 5th Ed 2005, ISO 10497-5.
 ASTM A351 CF8M 316 Stainless Steel construction, 316 Trim.
 TFM 4215® (25% Carbon Filled TFM) Ball Seats, Grafoil Body Seals and Stem Packing.
 Ta-Luft self adjusting stem sealing. Nace MR-0175 compliant.
 TFM 4215® is a WRAS approved material.
 ISO 5211 Direct Mounting Pad and Square stem for Automation.
 Anti-static devices for Ball-Stem-Body. AtEx approved.
 Class 800 (2000 psi) pressure rated 1/4" - 1"
 Class 600 (1500 psi) 1 1/4" - 2"
 Silicone Free. Valve suitable for use on Oil based Paints.
 Design Standard: MSS SP-110
 Wall Thickness: ASME B16.34 Class 800 (1 1/2" - 1") & 600 (1 1/4" - 2")
 Inspection & Testing: MSS SP-110

BSP Ends - BSPP ISO 228/1

Socket-Weld Ends - ASME B16.11

Butt-Weld Ends - ASME B16.25 (Sch 80)

Available size range: 1/2" - 2"





Valve Materials				
No.	PART NAME	MATERIAL		
1	BODY	CF8M	CF8	WCB
2	END CAP (Thread)	CF8M	CF8	WCB
	END CAP (Welding)	CF8M	CF8	WCB
3	Ball	CF8M	CF8	
4	Ball Seat	TFM1600+15% Carbon		
5	Anti Static	SUS316		SUS304
6	Stem	SUS316		SUS304
7	Bolting	A193-B8		
8	Thrust Washer	TFM1600+15% Carbon		
9	O-Ring	FKM (VITON)		
10	V-Ring Packing	PTFE/GRAFOIL		
11	Bushing	50%SS+50%PTFE/SUS304		
12	Gland	SUS316		
13	Belleville Washer	SUS301		
14	Stem Nut	A194-8		
15	Stop Lock Cap	SUS304		
16	Handle Gland	SUS304		
17	Handle Nut	A194-8		
18	Handle Sleeve	Vinly Plastic		
19	Handle (Lock Device)	SUS304		
20	Bolt Washer	SUS304		
21	Bolting Nut	A194-8		
22	Body Gasket	PTFE/316SS+Grafoil*		
23	Stop Bolt	A193-B8		
24	Stop Nut	A194-8		

Actuator Details	
HPS	Spring Return
HPD	Double Acting
Pilot Pressure	Min. 5.5 Bar - 8 Bar
Air Supply	Air or Non Corrosive Gas
Working Temperature	From -20°C to + 80°C. For High Temperatures an extension spindle should be used to dissipate the heat if unsure please consult sales.
Movement	Rotation 90°
Mounting	For low temperature applications mounting should be at 2 or 10 o clock

**For Actuator Details Please
 Refer to DATA SHEET on SKU
 AP9001
 Switchbox APL
 Namur Solenoid AP9000**

SKU: AB4291

Valves[™]
ONLINE

-  VOLT Electric Actuated Ball Valve for Higher Temperatures
-  VOLT Elektrische betätigte Kugelhahn für Höhere Temperaturen
-  VOLT Válvula de bola eléctrica accionadas por temperaturas más altas
-  VOLT Actionné électrique Ball Valve pour des températures plus élevées

- 1/2 " - 2" Screwed High Temperature Ball valve with Electric Actuator
- 1/2 " - 2" Verschraubt Hochtemperaturkugelhahn mit elektrischem Antrieb
- 1/2 " - 2" Atornillada Válvula de bola de alta temperatura con actuador eléctrico
- 1/2 " - 2" Vissée haute température vanne à bille avec actionneur électrique

Electric Actuated Ball Valve for Higher Temperatures



- Fully Maintainable
- Sizes From 1/2" - 2"
- Various Voltages
- Offers Reliability with Economy
- Temperature up to 160° C

Description

VOLT Series Heavy duty, fully encapsulated ball valve, offers a three piece designed, full bore ball valve. Carbon Reinforced TFM ball seats and grafoil body seals for high temperature applications. The valve is fitted via our TSM Extension Bracket that dissipates heat from actuator and valve, onto a powerful Electric actuator. The units are readily available, giving a package that offers strength and reliability. The HQ-004 & HQ-006 electric actuators are specially designed for quarter turn applications, small, Light and compact design with high output torques. Various control options and a wide range of voltages to suit your specific requirements. High Quality electrical components and alloy gearing ensure reliability and extended life spa. The valve is fully maintainable and seal kits are available on request. Options for end connections: BSP or NPT Screwed, Socket Weld and Butt Weld.



Description

HQ004-HQ006 Electric actuator, fitted via a special extension bracket onto our Volt Higher Temperature full bore ball valve. Screwed BSP, NPT or Socket Weld ends, TFM1600 + 15% carbon filled seats
Class 800 (2000 psi) 1/2"-1"
Class 600 (1500 psi) 14"-2"
(ATEX Approved)



Beschreibung

HQ004 HQ006 - Elektroantrieb, über eine spezielle Erweiterung Halterung auf unserer Volt höhere Temperatur mit vollem Durchgang Kugelhahn ausgestattet. Verschraubt BSP, NPT oder Schweißmuffen, TFM1600 + 15% Kohlenstoff gefüllte Sitze Class 800 (2000 psi) 1/2 "-1"
Class 600 (1500 psi) 14 "-2" (ATEX -Zulassung)







Descripción

HQ004 - HQ006 actuador eléctrico, montado a través de un soporte de extensión especial en nuestra Volt Superior Temperatura válvula de bola de paso total. Screwed BSP, NPT o Socket Weld termina, TFM1600 + 15 % de carbono lleno asientos de Clase 800 (2000 psi) 1/2 "-1"
Clase 600 (1500 psi) 14 "-2" (ATEX Aprobado)



Description

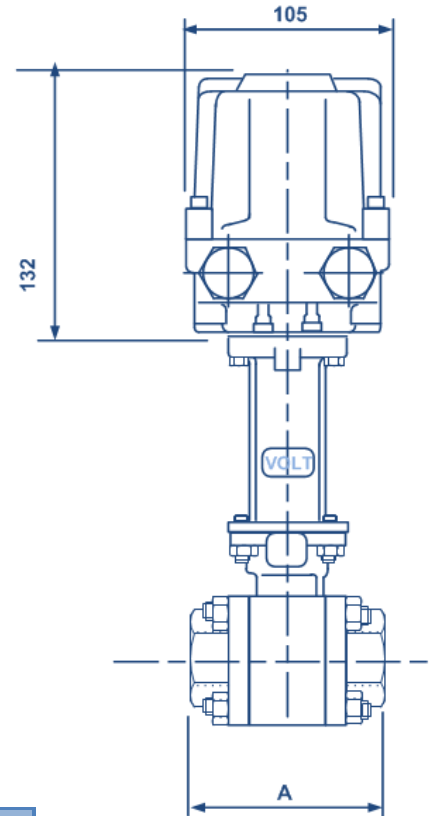
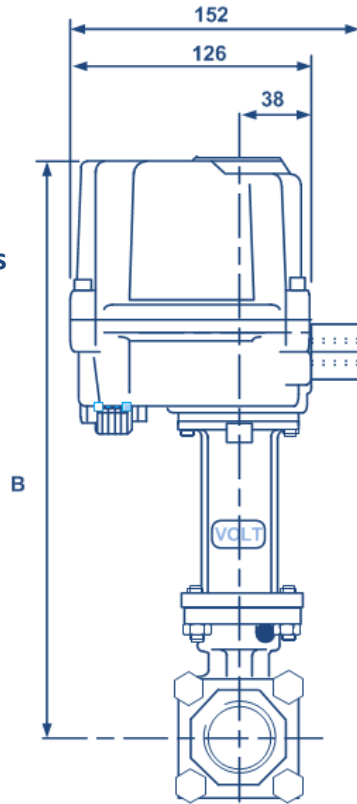
HQ004 HQ006 - actionneur électrique, muni via un support d'extension spéciale sur notre robinet à tournant sphérique à passage intégral Volt supérieur de la température. Vissée BSP, NPT ou Socket Weld se termine, TFM1600 + 15 % carbone rempli sièges en classe 800 (2000 psi) 1/2 "-1"
Classe 600 (1500 psi) 14 "-2" (ATEX approuvé)

-  VOLT High Temperature Ball Valve with Pneumatic Actuator
-  VOLT Hochtemperatur -Kugelhahn mit pneumatischem Antrieb
-  VOLT Válvula de bola de alta temperatura con actuador neumático
-  VOLT Haute Température Ball Valve avec actionneur pneumatique

Pneumatically Actuated Ball Valve

Pneumatically operated temperature actuated ball offers the ideal solution automatic isolation for temperatures up to 160°C

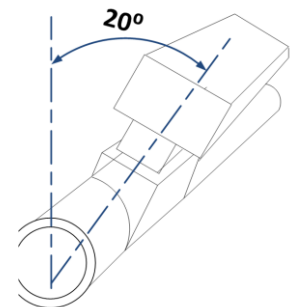
**For Higher Temperatures
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Dimensions

Electric Full Bore

VALVE	Double Acting	A	B	Kg
1/2"	HQ004	75	275	3.9
3/4"	HQ004	80	275	3.9
1"	HQ004	90	163	4.29
1 1/4"	HQ004	110	282	5.2
1 1/2"	HQ004	120	295	5.76
2"	HQ006	140	306.5	7.21



Recommended Installation

-  VOLT High Temperature Ball Valve with Pneumatic Actuator
-  VOLT Hochtemperatur -Kugelhahn mit pneumatischem Antrieb
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 Ta-Luft self adjusting stem sealing. Nace MR-0175 compliant.
 TFM 4215® is a WRAS approved material.
 ISO 5211 Direct Mounting Pad and Square stem for Automation.
 Anti-static devices for Ball-Stem-Body. AtEx approved.
 Class 800 (2000 psi) pressure rated 1/4" - 1"
 Class 600 (1500 psi) 1 1/4" - 2"
 Silicone Free. Valve suitable for use on Oil based Paints.
 Design Standard: MSS SP-110
 Wall Thickness: ASME B16.34 Class 800 (11/2" - 1") & 600 (1 1/4" - 2")
 Inspection & Testing: MSS SP-110

BSP Ends - BSPP ISO 228/1

Socket-Weld Ends - ASME B16.11

Butt-Weld Ends - ASME B16.25 (Sch 80)

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9	O-Ring	FKM (VITON)	
10	V-Ring Packing	PTFE/GRAFOIL	
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22	Body Gasket	PTFE/316SS+Grafoil*	
23	Stop Bolt	A193-B8	
24	Stop Nut	A194-8	

Standard Specification		
Enclosure	:	Weatherproof IP67
Power Supply	:	110/220v 50/60Hz, 24 vAC/DC
Duty Cycle	:	(On/Off Duty) S2, 35%
Motor	:	Reversible Motor
Limit Switches	:	2 x SPDT, 250V AC 3A
Space Heater	:	2W (110/240 V AC)
Manual Override	:	Hexagon
Conduit Entries	:	2 x M20
Travel Angle	:	320°± 10° (0°to 320°)
Ambient Temperature	:	minus 20°C to plus 70°C
External Coating	:	Dry Powder Polyester

**For Actuator Details Please
 Refer to DATA SHEET on SKU
 AP9002**

Standard Specification								
Type (model)	Max Output Torque	Operating Time 50/60Hz	Motor Class E	Rated Current (A)				Weight Kg
				24V	110V	220V	24VDC	
		90°	W F					
HQ - 004	40NM	14 / 12 Secs		0.3	0.39/0.4	0.19/0.2	0.2	3
HQ - 006	80NM	14 / 12 Secs		0.3	0.39/0.4	0.19/0.2	0.2	3