

Category DIN Bellow Globe Valve-EN 13709-Specification



Lloyd's CE-0343 Lloyd's ISO-9001



ATEX



CU-TR 010



CU-TR 032



TA-LUFT



ISO 15848

DIN Bellow Globe Valve

Figure: DIDTEKDBGV

Didtek DIN Bellow Globe Valves are manufactured to the latest edition of EN 13709 and tested to EN12266-1.

Application & Function:

Didtek DIN Bellows Globe Valves feature a formed multi-ply bellows welded to the stem and to the bottom of the bonnet, creating a hermetic seal or impermeable barrier. Bellows are available in many materials for virtually all corrosive chemical applications.

Heat Transfer media: hot oil is commonly used in industries such as synthetic fibres / POY (Partially Oriented Yarn). However, there is always a risk of fire due to hot oil spillage on highly inflammable chemicals. Here, bellow seal Valves can stop the leakage.

Vacuum / Ultra high vacuum: some applications require a vacuum pump to continually extract air from a pipeline. Any conventional Valves installed on the pipeline can allow external air to enter the pipeline through the Valve stuffing box. Hence the bellow seal Valve is the only solution to prevent air from passing through the stuffing box.

Highly hazardous fluids: for media such as chlorine, hydrogen, ammonia and phosgene, the bellow seal Valve is an ideal design as leakage through the gland is totally eliminated.

Nuclear plant, heavy water plant: in instances where radiation

leakage is to be prevented at all times, the bellow seal Valve is the ultimate choice.

Costly fluids: in some applications leaks need to be avoided simply because of the high cost of the fluid. Here, an economic assessment often favours the use of bellow seal Valves.

Environmental standards: around the world, standards regarding emissions and the environment are getting more stringent day by day. It can therefore be difficult for companies to expand within existing premises. With the use of bellow seal Valves, expansion without additional environmental damage is possible.

Accessories:

Gear operators, actuators, locking devices, chain wheels and many others are available to meet the customer's requirements.

Applicable Standards:

- Design EN 13709
- Bellows MSS-SP 117
- Face to face EN 558-1
- End Flanges EN 1092-2
- Butt welding ends EN 12627
- Inspection and test EN 12266-1

Size Range:

- DN15-DN250

Pressure Rating:

- PN16

Temperature Range:

- -10°C-350°C

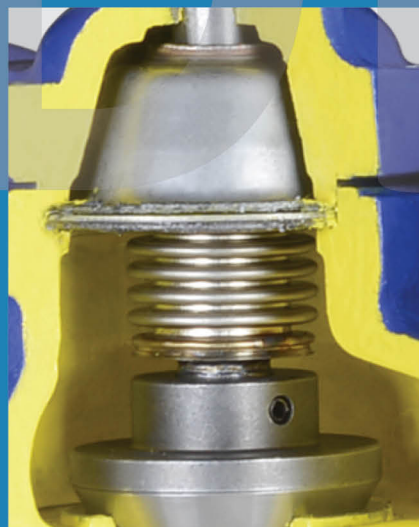
The valves are not recommended to be used over 300 degrees in continuous operation.

Design:

- Bellow sealed
- Straight pattern
- Bolted bonnet
- Rising, non-rotating stem
- Increased stem nut positioning,
- Blowout safety bonnet sealing
- Flange ends or Butt Welded ends

Features:

- 1, Double seal design (bellows + fill) if the bellows failure, stem packing will prevent leaks, and sealing line with international standards
- 2, There is no fluid loss, reduce energy losses and improve the safety of plant equipment
- 3, Long service life, reduced maintenance times, reducing operating costs
- 4, Rugged bellows seal design to ensure zero leakage valve stem to provide the conditions for maintenance
- 5, The gas medium seat of PTFE soft sealing material to improve the tightness of the valve
- 6, temperature $\leq 350^{\circ}\text{C}$ using cone seal seat. To achieve zero leakage sealing performance.



Multiple wall, protected stainless steel bellows, secured against torsion, designed for 10,000 cycles; fully welded.



- Graphite Packings are intended to offer high temperature capability, good chemical resistance and markedly reduced spindle wear. By selecting or combining the many versions of Graphite Packings available.
- Polished valve stem and reduces diametrical tolerances ensure low fugitive emissions.



Didtek Bellow Part Ready to Install.



Category DIN Bellow Globe Valve-EN 13709-3D Draw And Materials



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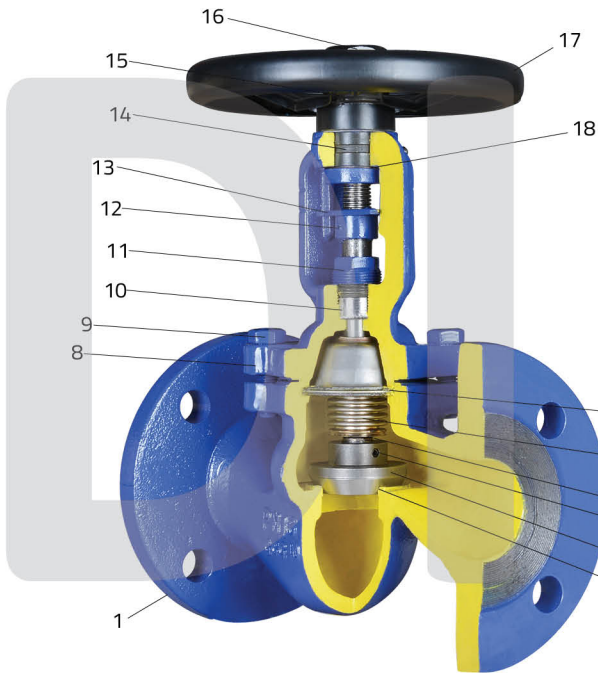
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Parts name	Part Name	Carbon Steel to DIN	Parts name
1	Body	GGG40	1
2	Seat Ring	SS304/SS420	2
3	Disc	WCB+13Cr/SS304/SS420	3
4	Steel Ball	DIN 17230 100Cr6	4
5	Stem	SS420	5
6	Bellow	SS304	6
7	Gasket	Graphite	7
8	Bonnet	GGG40	8
9	Bolt	DIN 17100 RST37-2	9
10	Packing	Graphite	10
11	Gland	EN 10083-2 C45	11
12	Locking Pin	SS304	12
13	Locator	EN 10083-2 C45	13
14	Grease Nipple	Steel	14
15	Stem Nut	EN 10083-2 C45	15
16	Handwheel	Carbon Steel	16
17	Locking Nut	EN 10083-2 C45	17
18	Snap Ring	Carbon Steel	18

Category DIN Bellow Globe Valve-EN 13709-Product's Picture



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Category DIN Bellow Globe Valve-EN 13709-Table Of Available Dimensions



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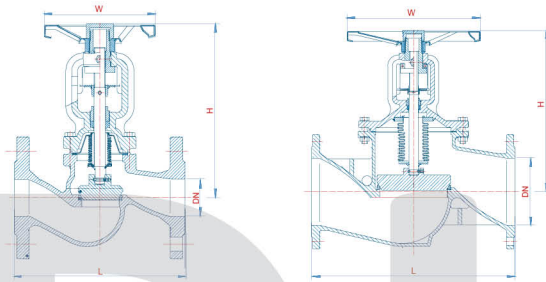
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PN16

Valve Size	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Face to Face L1:RF	130	150	160	180	200	230	290	310	350	400	480	600	730
Valve Height(H)	188	191	207	215	231	235	254	281	343	391	425	478	585
Handwheel Diameter(W)	120	140	140	140	160	180	200	220	280	320	350	400	450
Weight(kg)	3.2	4	5.2	7.5	9	11.5	15	21	27	47	58	96	143

Category DIN Bellow Globe Valve-EN 13709-Table Of Kv Valve

Valve Size	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Kv Valve(m ³ /h)	4.8	7.0	11.0	16.5	28.0	42.0	75.0	110.0	170.0	270.0	405.0	680.0	1090.0

Category DIN Bellow Globe Valve-EN 13709-Max Shut-off Pressure

Valve Size	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Max Shut-off Pressure(bar)	16	16	16	16	16	16	16	16	16	16	16	16	9



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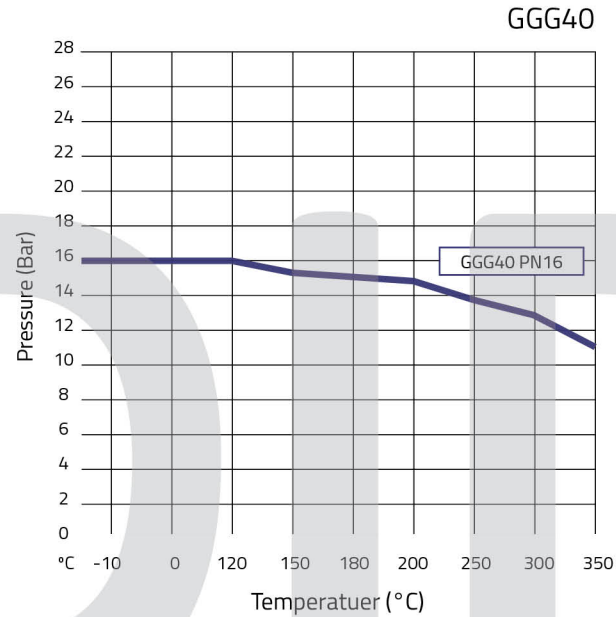


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Category DIN Bellow Globe Valve-EN 13709-Pressure Temperature Ratings



Category DIN Bellow Globe Valve-EN 13709-Pressure Temperature Ratings EN 12516

PN16

DIN Materials	GGG40	
Temperature(°C)	Working Pressure,bar	
-10 to 50	16	
50	16	
120	16	
150	15.5	
200	14.7	
250	13.9	
300	12.8	
350	11.2	
Shell Test	23.4	
Closure	Liquid	
Tightness		17.16
Test	Gas	6

Certificate



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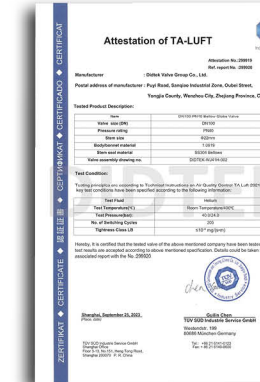
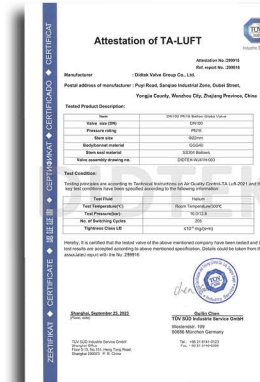
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ISO 15848 Qualification Certificate

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ATEX Certificate Of Receipt Of Technial Documentation Of Ball Valve

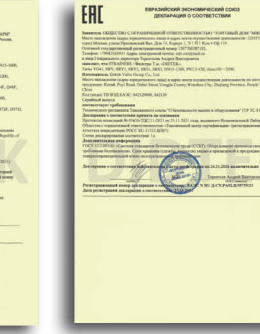
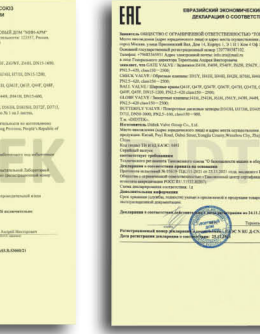
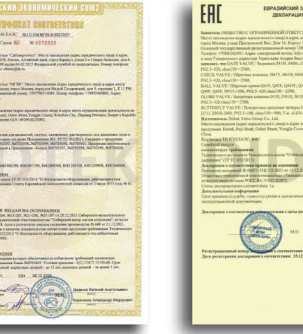
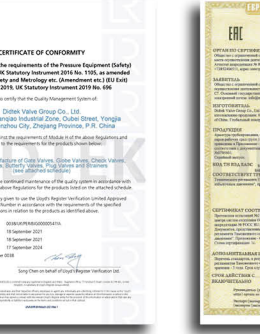
ATEX Certificate Of Receipt Of Technial Documentation Of Gate Valve

ATEX Certificate Of Receipt Of Technial Documentation Of Globe Valve

ATEX Certificate Of Receipt Of Technial Documentation Of Check Valve

ATEX Certificate Of Receipt Of Technial Documentation Of Butterfly Valve

ATEX Certificate Of Receipt Of Technial Documentation Of Strainer



Lloyd's Register LRQA ISO9001:2015

Lloyd's Register LRV CE EU Certificate 0343 PED Model H

Lloyd's Register LRV UKCA Certificate 0038 PED Model H

GOST-R Certificate CU-TR 032 COC Certificate

GOST-R Certificate CU-TR 032 DOC Valve Declaration

GOST-R Certificate CU-TR 010 DOC Strainer Declaration



 **Headoffice**

The company is located in the town of Ou Bei where is famous for landscape of Nanxi river

 **Sales Network**

Our customers are all over the world.

About us

Didtek is the word to trust.

Established in 1985, Didtek Valve is a preferred supplier of industrial valves for major Chinese manufacturers.

Through 30 years' development, Didtek valve has been recognized as a valve manufacturer with superior quality and capability of meeting all kinds of technical requirements of customers. It can produce customized products for a variety of intentions, being highly popular among customers.

The factory of Didtek valve is located in Oubei (Zhejiang, China), covering an area of 25,000m², of which 1000m² is for office work whereas 24,000m² is for production (including the assembly area, testing area and warehouse area). Moreover, the factory is only 9m to Yongqiang Airport, greatly facilitating for the visitor of our international customers and partners.

Boasting of excellent technical strength, design and experience in Gate, Ball, Butterfly and Bellow valves manufacturing, the company has a quality management system as required by ISO9001-2008 and has obtained the Pressure Equipment Directive 97/23 CE (PED).

The certifications of Didtek valve include ISO9001:2008, PED directive Mod H, API 6D.

Didtek Valve have been working to find reliable sales agents or distributors.



DISTRIBUTOR FOR SPAIN AND PORTUGAL

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