20E900系列

软密封闸阀（扁平阀体）

Soft seated gate valve Flat body

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软密封闸阀（扁平阀体）/ *Soft seated gate valve flat body*

20E900系列软密封闸阀阀体材质为球铁，严格按照相关产品质量标准生产，符合EN ISO 9001标准。该系列为短结构型（扁平阀体）。适用于供热和空调系统、水处理和供水系统、农业系统。
（请确保您的选择与适用范围一致）

The valves in series 20E900 are soft seated gate valves, made of ductile iron, manufactured in accordance with severe product norms and relevant norms, and in conformity to EN ISO 9001; they are available with reduced Face to Face dimension (flat body). These valves are suitable for heating and conditioning (HVAC), water treatment and water distribution, agricultural purposes.
(Please ensure the choice of the corresponding item)

NO: 不适用于蒸汽系统，不能用于调节流量。不适用于含有油类和碳氢化合物的流体。

NO: *for steam, for chocking and regulation of the flow. Not suitable for fluids containing oils and hydrocarbons.*

认证 / *Certifications*

CE

符合2014/68/UE (ex 97/23/CE PED) 标准

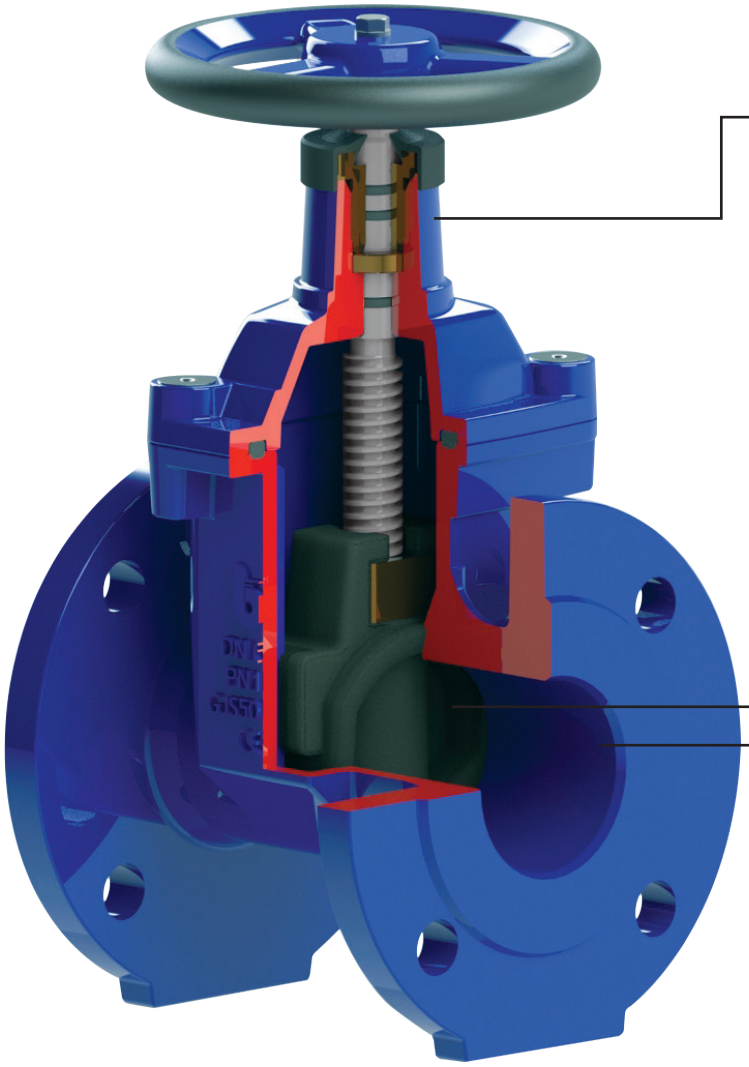
In conformity with directive 2014/68/UE (ex 97/23/CE PED)

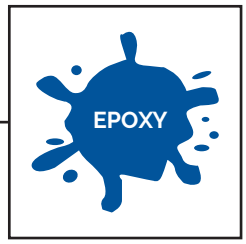
结构及检测标准：

结构长标准：EN558/1 ISO5752
法兰标准：EN1092 ISO 7005
设计标准：EN1171, EN12516, EN12570
标识标准：EN19
检测标准：EN 12266 cat. A (ISO 5208 cat. A)

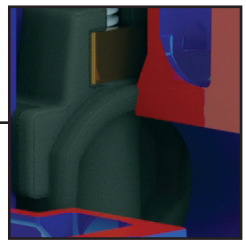
Design and testing norms *(correspondences):*

Face-to-face: EN558/1 ISO5752
Flanges: EN1092 ISO 7005
Design: EN1171, EN12516, EN12570
Marking: EN19
Testing: 100% testing in accordance with EN 12266 cat. A (ISO 5208 cat. A)





阀体内外均为环氧树脂喷涂，厚度在250 μm以上。
Internal and external epoxy coating, minimum thickness 250 μm.



闸板全部包覆EPDM。
带通孔，防止积水。
Soft seat fully coated with EPDM . With trough step hole, to prevent stagnant water.

全通径。
Completely free and full bore.

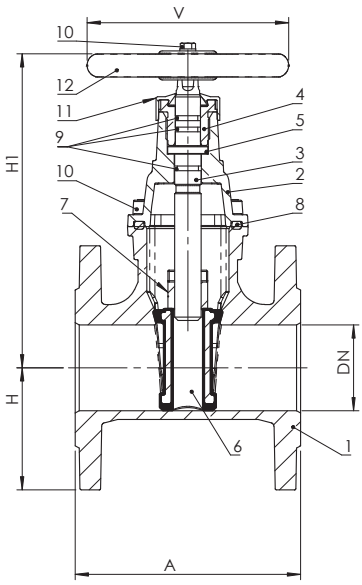
软密封闸阀（扁平阀体）/ *Soft seated gate valve flat body*

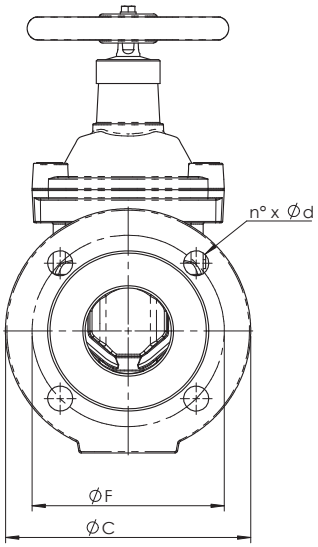
EPDM阀座

20E900

阀体：EN GJS 500-7
阀板：EN GJS 400-15 + EPDM
阀杆：AISI 420
工作温度：-10 + 70 °C

Body: cast iron
Soft seat: cast iron + EPDM
Stem: AISI 420
Temp: -10 +70°C





尺寸 (mm) / *Dimensions (mm)*

DN		40	50	65	80	100	125	150	200		250		300	
A	EN558/1 14	140	150	170	180	190	200	210	230		250		270	
H1		190	205	228	265	300	355	400	490		585		685	
H		75	83	93	100	110	125	143	170		203		230	
V		150	150	150	180	205	205	240	280		320		360	
法兰 *Flanges*	EN1092-2	PN10/16	PN10/16	PN10/16	PN10/16	PN10/16	PN10/16	PN10/16	PN10	PN16	PN10	PN16	PN10	PN16
C		150	165	185	200	220	250	285	340		405		460	
F		110	125	145	160	180	210	240	295		350	355	400	410
n° x ød		4x19	4x19	4x19	8x19	8x19	8x19	8x23	8x23	12 x 23	12x23	12x28	12x23	12x28

重量 (kg) / *Weight (kg)*

20E900		8	10,2	13,9	15,7	20,5	26,1	34,6	56,5	86	116

材质 / *Materials*

	组件 - *Component*	材质 - *Material*	
1	阀体 - *Body*	球铁 - *Ductile iron*	EN GJS500-7
2	阀盖 - *Bonnet*	球铁 - *Ductile iron*	EN GJS500-7
3	阀杆 - *Stem*	不锈钢 - *Stainless steel*	x20Cr13 (AISI 420)
4	圆环 - *Ring*	黄铜 - *Brass*	CW614
5	止推轴承 - *Thrust bearing*	青铜 - *Bronze*	BS 1400 LG2
6	楔块 - *Wedge*	球铁（表面环氧树脂喷涂）- *Ductile iron EPDM coated*	EN GJS500-7 + EPDM
7	楔块螺母 - *Stem nut*	黄铜 - *Brass*	CW614
8	阀盖密封 - *Bonnet seal*	EPDM	
9	O型圈 - O-Ring	NBR	
10	螺栓 - Screw	不锈钢 - *Stainless steel*	AISI 304
11	防尘盖 - *Dustguard*	NBR	
12	手轮 - *Hand wheel*	球铁（表面环氧树脂喷涂）- *Ductile iron, epoxy coated*	EN GJS500-7

最大工作压力 / *Maximum pressure*

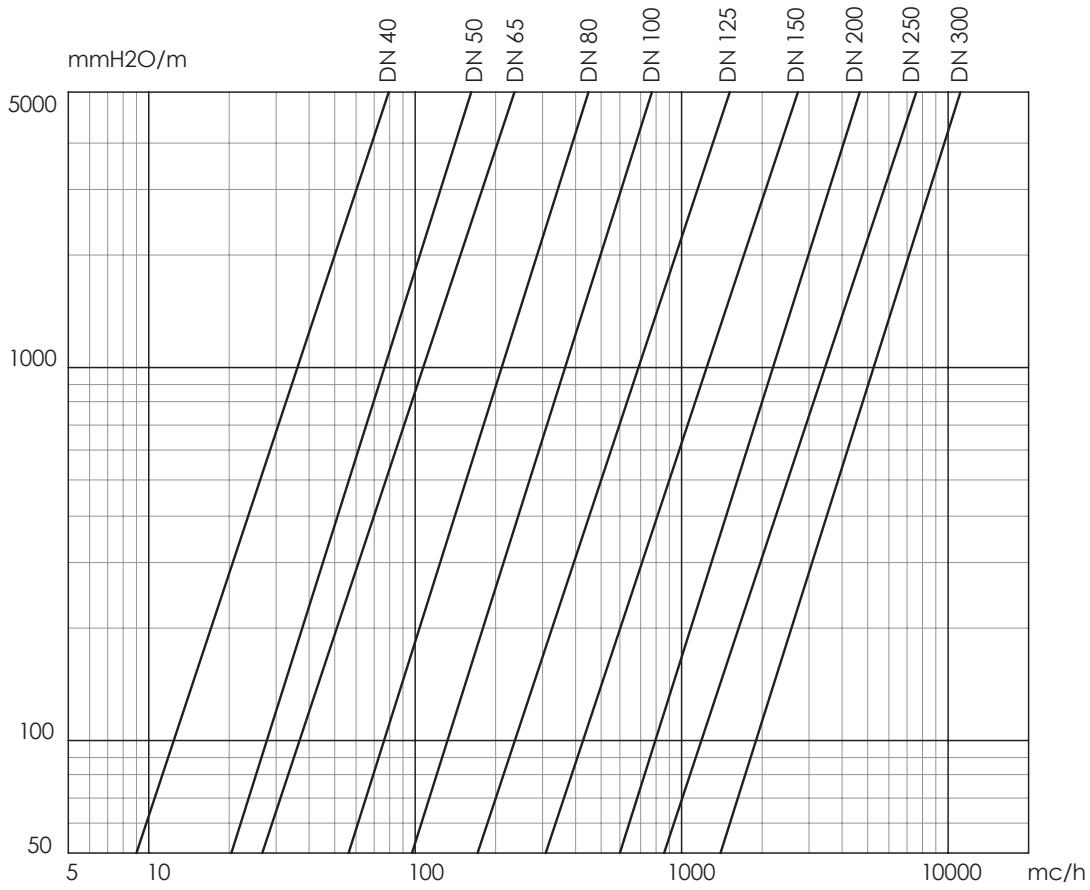
介质 * - *Fluids* *	安装位置 - *Mounting*	
	法兰中间 *BETWEEN FLANGES*	管路末端 *END OF LINE*
危险性气体 *Hazardous gases*	NO	NO
非危险性气体 *Non-hazardous gases*	NO	NO
危险性液体 *Hazardous fluids*	NO	NO
非危险性液体 *Non-hazardous fluids*	16 bar	NO
水** *Water* **	16 bar	NO

*：危险性气体、液体的认证以2014/68/EU e 1272/2008 (CLP) 标准为准
**：是指供水和排水系统的水 (PED 2014/68/EU 1.1.2b)
**: Hazardous gas, liquids (explosive, inflammable, toxic) in accordance with 2014/68/UE and 1272/2008 (CLP)*
***: For supply, distribution and discharge of water (PED 2014/68/EU 1.1.2b)*

工作温度 / *Temperature (°C)*

温度 - Temperature	最低 - Min	最高 - Max	
		长期 - continuos	短时 - peak
EPDM	-10	70	85

水头损失 介质：水 (1m H2O = 0,098bar) / ***Head loss*** ***Fluid: water*** *(1m H2O = 0,098bar)*



20E900系列建议及说明

储存

请保存在密闭干燥的环境中。

建议

阀门进行任何维修或拆卸前，请确保：
阀门、管路中的流体已冷却；阀门、管路中的压力已卸去；有毒、易燃、有腐蚀性的流体已排净。
50℃以上及0℃以下的流体可能会对人体造成伤害。

安装

- 小心装卸。
- 阀门安装时需处于全开或全关状态。
- 移动阀门时必须使用吊带及安全吊钩来操作（如图2所示）。
- 不能先将阀门与法兰连接后，再去将法兰与管道进行焊接。
- 安装阀门前请确保管路中的残余物已排空，如沙土、小石头等。
- 安装在井中时，请确保具备适当的排水装置。
- 当口径大于DN 200时，建议使用松套法兰连接，以利于安装和拆卸。
- 将阀门放置在管路法兰之间，并在中间对正放置密封垫圈。
检查密封垫圈放置是否正确。
对接法兰间的距离需与阀门结构长相同。
不能用螺栓强行将管路法兰向阀门拉近。
需交叉旋紧螺栓。
- 不能先将阀门与法兰连接后，再去将法兰与管道进行焊接。
- 水锤作用会使阀门损坏或破裂。倾斜、扭转、阀门管路中心线与管路未对准会使阀门受力。建议安装弹性接头等来尽量减少管路的震荡。

使用

当系统暴露于可使介质结冻的环境时，需及时将阀门和管路介质排空。

Instruction and Recommendations series 20E900

STORING

Keep in dry and closed place.

RECOMMENDATIONS

Before carrying out maintenance or dismantling the valve:
Ensure that the pipes, valves and fluids have cooled down, that the pressure has decreased, and that the lines and pipes have been drained in case of toxic, corrosive, inflammable or caustic liquids.
Temperatures above 50°C and below 0°C might cause damage to people.

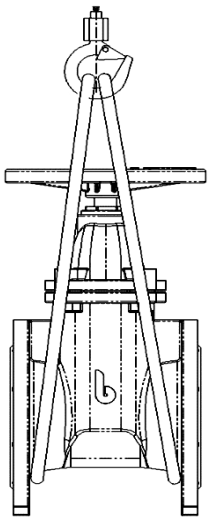
INSTALLATION

- Handle with care
- The valve must be installed in an open or closed position.
- The lifting of the valve must be done using belts and safety hooks (fig.2).
- Do not weld the flanges to the piping after installing the valve.
- Prior to installing the valve, ensure that the piping has been carefully cleaned and is free of any residual particles, such as soil, small stones, etc.
- In case of installation in wells, ensure there is suitable drainage.
- In case of installation of valves of diameter greater than DN 200, it is recommended that a dismantling joint be installed, in order to facilitate the installation/disassembly.
- Place the valve between the flanges of the tube and put liners between the flanges of the valve and the flanges of the tube.
Check that the liners are positioned correctly.
The distance between the counter flanges must be the same as the face to face distance of the valve.
Do not use the bolts of the counter flanges to close the piping.
The bolts must be tightened crosswise.
- Do not weld the flanges to the pipe after installing the valve.
- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the valve to stress, once it has been installed. It is recommended that elastic joints be used, in order to reduce these effects as much as possible.

USE

In environments exposed to frequent freezing, drain the piping and the valve of stagnant water.

图2/FIG.2



处置

对于输送危险介质（有毒、腐蚀性……）的阀门，如果阀门中可能残留残余物，请采取适当的安全预防措施并进行必要的清洁。负责人员必须经过培训并配备适当的防护装置。
在处置之前，请按照不同材料拆卸阀门并分离组件。请参考产品资料获取更多信息。根据当地和现行有效的法规并在考虑环境的情况下，将分类的物料送交回收利用（例如金属材料）或进行处置。

DISPOSAL

For valve operating with hazardous media (toxic, corrosive...) , if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices.
Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.