

PIN

INNOVATIVE SOLUTIONS DEVELOPED
BY RUDOLF VON SCHEVEN GMBH
ARMATURENFABRIK UND APPARATEBAU



P R O D U C T I N F O R M A T I O N 0 3 / 2 0 1 5

B A L L V A L V E S (F I R E S A F E)



C E R T I F I E D A C C O R D I N G
T O A P I 6 0 7
A N D D I N E N I S O 1 0 4 9 7



Firesafe test

Prevention. The best way to avoid the worst-case scenario. Every five minutes a company in Germany is threatened by fire. The damage inflicted not only on the enterprises in question but also the economy as a whole runs into billions. With this in mind, there is a strong focus on fire protection devices that are capable of fighting fire quickly and effectively. At the same time, businesses require solutions aimed at preventing fire in the first place or at least restricting the spread of fire. In the field of plant engineering this includes safety-critical technologies and assemblies whose constituent parts and design characteristics are such that the products in question can withstand extreme temperatures. Boasting graphite gaskets, special sealing edges and automatic pressure release capabilities, our "Firesafe" ball valves deliver total peace of mind.



Ball valve (Firesafe) Steel and stainless steel

DN 32 - 250 mm PN max. 100 bar

- Series**
- 02 – male thread on both sides for non-soldering compression fittings with cutting ring DIN 2353 – light-duty series
 - 03 – male thread on both sides for non-soldering compression fittings with cutting ring DIN 2353 – heavy-duty series
 - 05 – male thread on both sides; flat sealing for pipe thread DIN EN ISO 228-1
 - 06 – female thread on both sides DIN EN ISO 228-1
 - 25 – flange PN 10 according to DIN EN 1092-1
 - 26 – flange PN 16 according to DIN EN 1092-1
 - 27 – flange PN 25 according to DIN EN 1092-1
 - 28 – flange PN 40 according to DIN EN 1092-1
 - 29 – flange PN 63 according to DIN EN 1092-1
 - 34 – flange PN 100 according to DIN EN 1092-1
 - 40 – with fixed weld ends
 - 42 – NPT female thread on both sides ANSI/ASME B1.20.1
 - 44 – NPT male thread on both sides ANSI/ASME B1.20.1
 - 50 – flanges according to ANSI/ASME B16.5 Class 150 RF/RTJ
 - 51 – flanges according to ANSI/ASME B16.5 Class 300 RF/RTJ
 - 52 – flanges according to ANSI/ASME B16.5 Class 600 RF/RTJ

Temperature range Standard: -10°C to +150°C
On request: -50°C to +250°C

Range of use Liquids: Liquids group 1 and 2 according to DGRL 2014/68/EU Article 13
Gases: Liquids group 1 and 2 according to DGRL 2014/68/EU Article 13
As a matter of principle, resistance to the flow medium must be ensured.

Approvals DIN EN ISO 10497 2010-06
API 607 sixth edition
TA-Luft

Technical specification Many of the products within our extensive portfolio can be supplied in a “Firesafe” design conforming to DIN EN ISO 10497 and API 607. The adjacent chart provides an overview of nominal sizes and pressure ratings for the various types of connection. All “Firesafe” ball valves come with TA-Luft certification. A specially designed relief hole in the ball ensures that the body cavity gets depressurised automatically in closed position.

Please feel free to enquire about specifications that exceed the standard conditions of use listed in this data sheet. As a matter of principle, the safety information provided in the operating and servicing manual must be observed! The operating and servicing manuals as well as the approval certificates can be downloaded at www.von-scheven.de. We reserve the right to carry out technical modifications.

Ball valves (Firesafe)



DIN flange ball valve (Firesafe)

	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
25 – flange according to DIN EN 1092-1 PN	10	10	10	10	10	10	10	10	10	10
26 – flange according to DIN EN 1092-1 PN	16	16	16	16	16	16	16	16	16	16
27 – flange according to DIN EN 1092-1 PN	25	25	25	25	25	25	25	25	25	25
28 – flange according to DIN EN 1092-1 PN	40	40	40	40	40	40	40	40	40	40
29 – flange according to DIN EN 1092-1 PN	63	63	63	63	63	63				
34 – flange according to DIN EN 1092-1 PN	100	100	100	100	100	100				



ANSI flange ball valve (Firesafe)

	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
50 – flanges according to ANSI/ASME B16.5 Class 150 RF/RTJ PN	20	20	20	20	20	20	20	20	20	20
51 – flanges according to ANSI/ASME B16.5 Class 300 RF/RTJ PN	40	40	40	40	40	40	40	40	40	40
52 – flanges according to ANSI/ASME B16.5 Class 600 RF/RTJ PN	100	100	100	100	100	100				



Ball valve with female thread (Firesafe)

	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
06 – female thread on both sides DIN EN ISO 228-1 PN max.	100	100	100	100	100					
42 – NPT female thread on both sides ANSI/ASME B1.20.1 PN max.	100	100	100	100	100					



Ball valve with male thread (Firesafe)

	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
02 – male thread on both sides for non-soldering pipe thread with cutting ring DIN 2353 – light-duty series PN max.	100	100								
03 – male thread on both sides for non-soldering pipe thread with cutting ring DIN 2353 – heavy-duty series PN max.	100									
05 – male thread on both sides flat sealing for pipe thread DIN EN ISO 228-1 PN max.	100	100	100							
44 – NPT male thread on both sides ANSI/ASME B1.20.1 PN max.	100	100	100	100	100					



Ball valve with pipe connection (Firesafe)

	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
40 – with fixed weld ends PN max.	100	100	100	100	100	100	40	40		

2-WAY BALL VALVES WITH THREAD CONNECTION

DN 4 - 80 mm, PN up to 2.500 bar

2-WAY BALL VALVES WITH FLANGE CONNECTION ACCORDING TO DIN, ANSI, SAE

DN 10 - 250 mm, PN up to 420 bar

2-WAY BALL VALVES WITH WELD ENDS

DN 8 - 50 mm, fully welded up to 300 mm, PN up to 400 bar

BALL VALVES FOR MANIFOLD INSTALLATION

DN 6 - 25 mm, PN up to 500 bar

3-WAY CHANGEOVER BALL VALVES

DN 4 - 100 mm, PN up to 500 bar

MULTIWAY BALL VALVES

DN 4 - 25 mm, PN up to 500 bar

BALL VALVES WITH PLUG-IN CONNECTORS (STECK-O, SUPER-STECK-O, SSKV)

DN 6 - 100 mm, PN up to 500 bar

MINING PORTFOLIO

DN 10 - 100 mm, PN up to 500 bar

CUSTOMISED SOLUTIONS



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