

Wedge gate valve KSR

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PN 16 - 100

Description

1. General characteristics

This rugged, welded-steel gate valve is designed for blow-off purposes for use in gas pipelines.

2. Construction / Function

This valve type is used to take up the stresses resulting from a blow-out of pipelines in order to protect the gate valves in the transport line system thus ensuring a longer operating life for the latter.

The sealing surfaces of both body and wedge are reinforced and polished. In this way a metal-to-metal seal is attained.

The spindle thread is internal and the spindle does not rise.

Flow direction is arbitrary.

3. Corrosion prevention

The outer shell has as standard a PUR (polyurethane) coating.

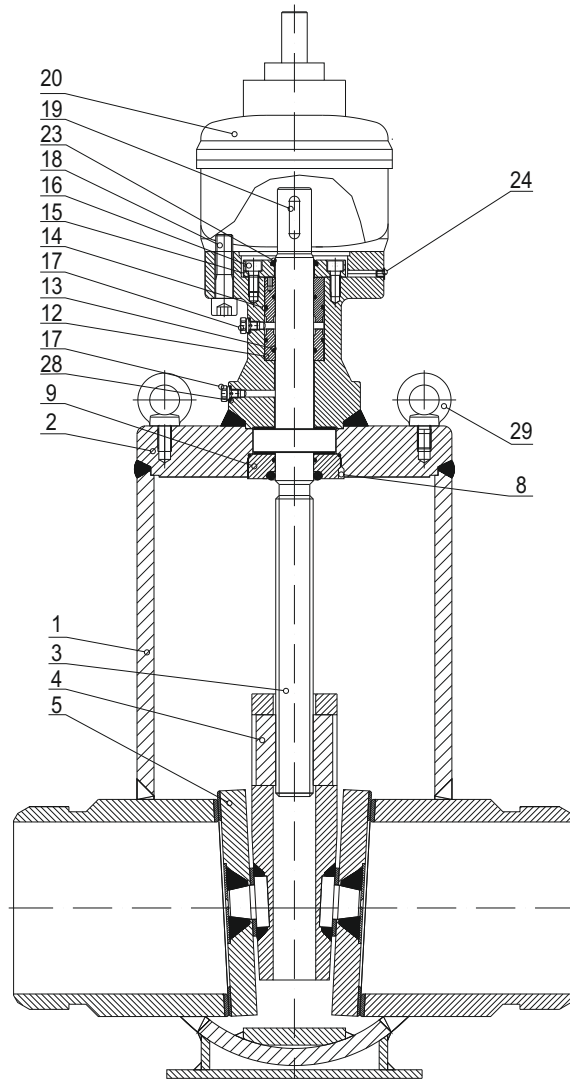
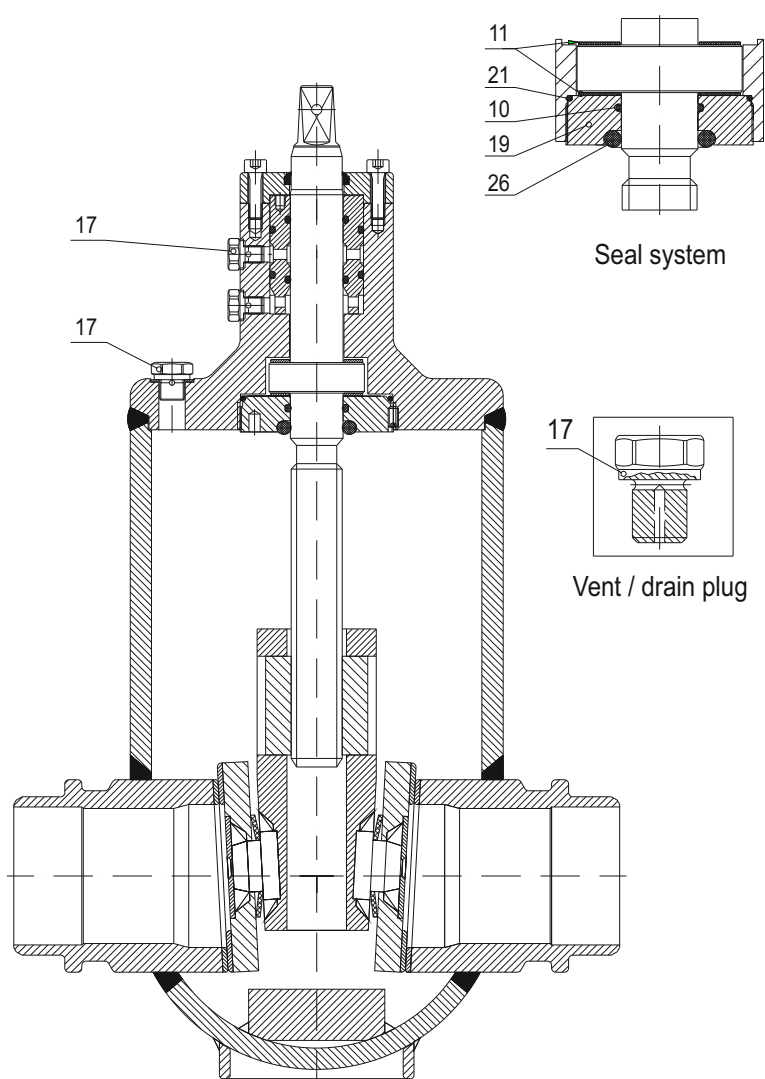
4. Reception test

DIN 3230 part 5 test group PG 3

5. Additional document

Operating-, Maintenance-, and Repair Instructions.

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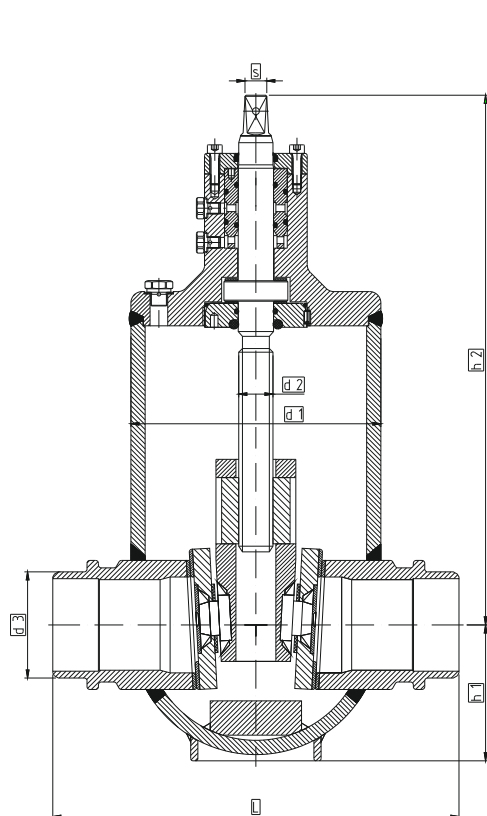


Item	Description
1	Housing
2	Lid
3	Spindle
4	Nut
5	Wedge
8	Thread plug
9	Safety nut
10	O-ring
11	Wearing washer
12	Guide-bearing
13	O-ring
14	O-ring

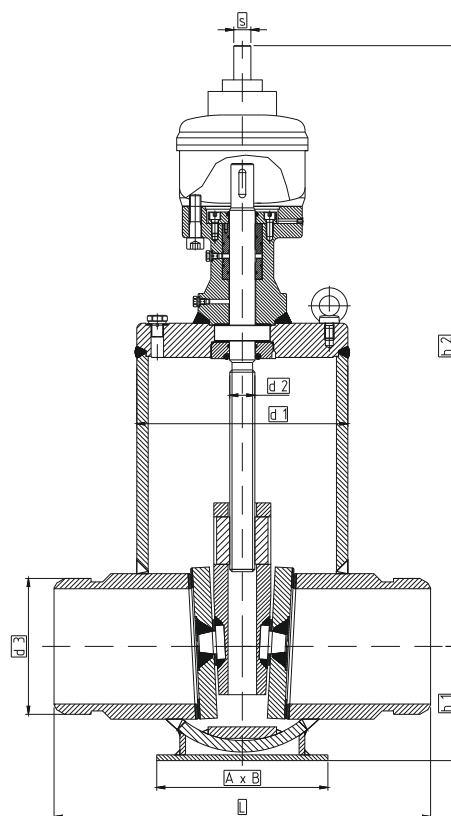
Item	Description
15	Fastening ring
16	Hex. socket cap screw
17	Vent plug
18	Hex. socket cap screw
19	Feather (key)
20	Gear
21	O-ring
23	Wiper ring
24	Belleville plug
26	O-ring
28	U-seal
29*	Eye bolt

* Lifting lugs KSR ≥ DN 200

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Version < DN 150



Version > DN 200

Description	Material
Housing	DN 80 - DN 150 : P275NL1
	DN 200 : P265GH (H II)
	DN 250 - DN 300 : P355NL1
	DN 400 : L360NB
Union pipe	DN 80 - DN 200 : P275NL1
	DN 250 - DN 400 : P355NL1
Wedge	DN 80 - DN 300 : P355NH DN 400 : P460NL1

KSR PN 16 - 100	DN 80	DN 100	DN 150	DN 200	DN 250	DN 300	DN 400
s	19	19	27	Ø30*	Ø30*	Ø30*	Ø30*
d ¹	219.1	219.1	273	370	420	468	588
d ²	30	30	36	44	55	55	65
d ³	88.9	114.3	168.3	219.1	273	323.9	406.4
h ¹	119	125	150	200	230	280	345
h ²	464	495	613	1055**	1123**	1225*	1454**
A x B	-	220x220	300x300	300x300	300x300	350x350	450x450
L=length EN 12982 Reihe 5	356	432	559	660	787	838	991
Turn/stroke	19	22	33	36***	34***	40***	45***
Gear	-	-	-	1:4	1:8	1:8	1:8
Weight in kg	50	70	140	390	500	660	1300
* gear connection		** dim. inkl. gear		*** turns of the spindle			