

COMPOSITION OF VALVE CODE

A3 - 200 - V - 6E - SP / PN



¹⁾ It does not always mean maximum permissible operating pressure! The maximum working load of the individual types of knife gate valves is given in the respective data sheets.

BODY

Code	Type of body	DN	PN	Mat. of body/mat. of knife
A1	wafer	50-1200	10	ductile iron EN GJS-500 ²
A3	wafer	50-1200	10	stainless steel ASTM A351 CF8M/AISI316
AB1	wafer, bidirectional	50-600	10	ductile iron EN GJS-500 ²
AB3	wafer, bidirectional	50-600	10	stainless steel ASTM A351 CF8M/AISI316
C2	flanged, with square bore	125×125 to 1400×1400	-	carbon steel EN 10025 S275 JR ²⁾ /AISI304
C3	flanged, with square bore	125×125 to 1400×1400	-	stainless steel AISI316/ AISI316
D2	flanged, with bonnet	50-1200	6-100	carbon steel ASTM A216 WCB ²⁾ /AISI304
D3	flanged, with bonnet	50-1200	6-100	stainless steel ASTM A351 CF8M/AISI316
F1	wafer, under silo	50-1200	10	cast iron EN GJL-250 ²⁾ /AISI304
F3	wafer, under silo	50-1200	10	stainless steel ASTM A351 CF8M/AISI316
GL1	reinforced, bidirectional	50-1400	10	ductile iron EN GJS-500 ²⁾ /AISI304
GL3	reinforced, bidirectional	50-1400	10	stainless steel ASTM A351 CF8M/AISI316
K1	wafer, with bonnet	50-1400	10	cast iron EN GJL-250 ²⁾ /AISI304
K3	wafer, with bonnet	50-1400	10	stainless steel ASTM A351 CF8M/AISI316
L1	wafer, 2-PC body with through knife	50-1200	10	cast iron EN GJL-250 ²⁾ /AISI304
L3	wafer, 2-PC body with through knife	50-1200	10	stainless steel ASTM A351 CF8M/AISI316

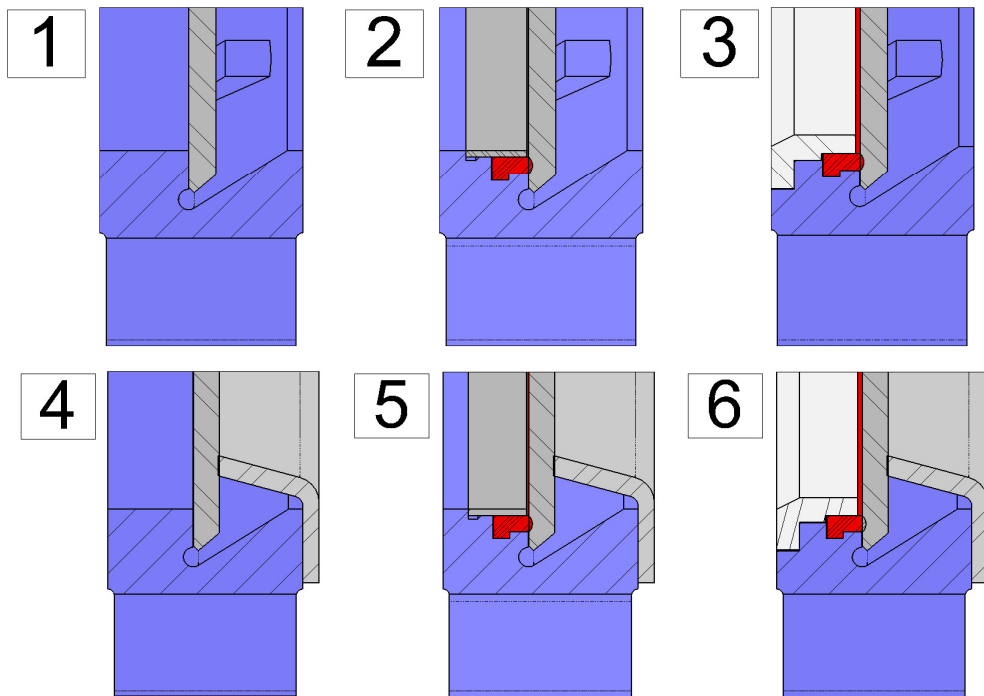
²⁾ Epoxy coated 80 µm, RAL 5015

Note:

Other body materials (AISI 316Ti, Duplex), other knife materials and their treatment (high mirror shine, coated (Stelit), with PTFE) on request.
 Other types of protective coatings, including heavy corrosion protection of cast iron elements in GSK water supply, on request.

SEAT

Fig. 1



Type of seat

- 1 metal-metal
- 2 metal-elastomer
- 3 metal-elastomer with scraper to protect the seat from abrasion
- 4 metal-metal with deflector to protect the body from abrasion
- 5 metal-elastomer with deflector to protect the body from abrasion
- 6 metal-elastomer with scraper to protect the seat from abrasion and with deflector to protect the body from abrasion

Tighttness (%)

- 98,8
- 100
- 100
- 98,8
- 100
- 100

Code of seat	Material of seat	Max. temperature (°C)
1M (metal-metal)	as material of body	≥ 250
2E (metal-EPDM)	ethylene propylene (EPDM)	90
3E (metal-EPDM, with scraper)	ethylene propylene (EPDM) + CF8M	90
4M (metal-metal, with deflector)	material of body + CF8M	≥ 250
5E (metal-EPDM, with deflector)	ethylene propylene (EPDM) + CF8M	90
6E (metal-EPDM, scraper + deflector)	ethylene propylene (EPDM) + CF8M	90

Code of seat	Deflector (15°)	Material	Other material variants
4,5,6	Deflector (15°)	CF8M	CA15, Ni-hard
3,6	Scraper	CF8M	CA15, Ni-hard

Other material variants:

Code	Material of seat	Max. temperature (°C)
N	nitril (NBR)	90
V	viton (FPM)	190
S	silikon (WVQ)	200
P	teflon (PTFE)*)	250

*) for pH = 2 to 12, 100% tightness cannot be guaranteed

Deflector (15 °), scraper: CA15, Ni-hard

PACKING

Code	Material of packing	Max. temperature (°C)
A	cotton	100
AP	cotton + PTFE	120
SP	syntetic fibre + PTFE	180
P	PTFE	250
G	graphite	650
CF	ceramic fibres	1400

Note:

For a specific working medium, working pressure and industrial application, the maximum application temperature may be different from the tables (significantly lower). Therefore, please contact our sales department in order to select the appropriate type of seat and mterial of seat and packing.

OPERATING

Code	Type of operating
V	hand wheel
R	gear box with hand wheel
P	quick-closing lever
C	chain wheel
N	pneumatic actuator (min.pressure of control air = 6 bar)
M	electric actuator

The data in the catalog are informative and the supplier reserves the right to make technical changes.