

To specify a Stafsjö knife gate valve

Stafsjö's valves are modular designed and they can easily be customized with gate, seats and box packings according to media and requirements, as well for actuators and accessories.

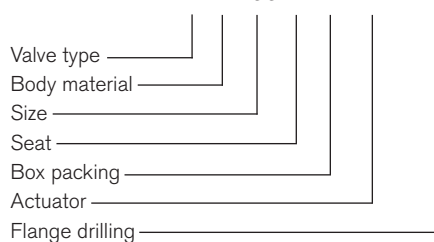
Standard configurations and options are available in the product data sheets on www.stafsjo.com. For non standard materials or valve sizes, please contact us for an offer.

This document inform you how a Stafsjö knife gate valve configuration can be described short and clear.



Specification examples

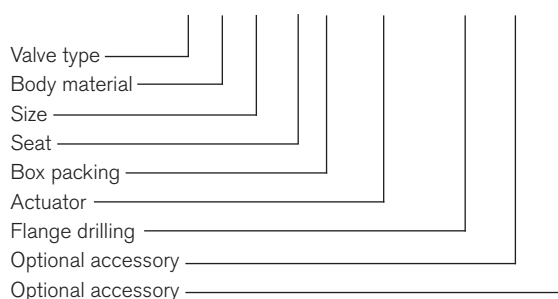
MV-L-200-P-TY-HW-PN10



Standard configuration

Retainer ring, gate material, surface treatments and accessories only has to be mentioned in the end of the description if it is different from standard.

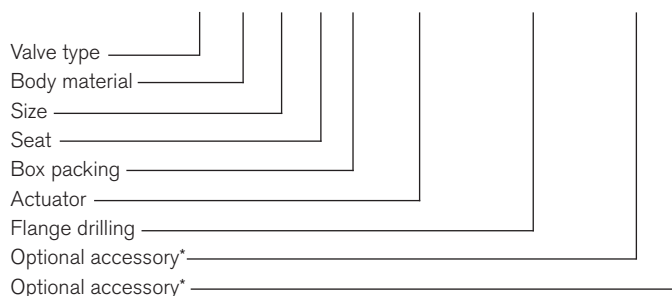
SLV-L-100-E-TY-HWR-ANSI-SP-LDR



Standard configuration with accessories

In this example the customer also wants to have stem protection/bellow and load distribution ring accessories. This is mentioned in the end of the description.

RKO-E-200-U-TY-SC200-PN10/PN10-SV-ILS



Standard configuration with optional flange pattern

In this example the customer wants to have PN10 flange pattern on both inlet side and outlet/discharge side. This is only possible on RKO DN 100 - DN 200. The accessories are mentioned in the end of the description.

* SV: Solenoid valve Stafsjö standard 220/230 V AC

* ILS: Inductive limit switches Stafsjö standard 20-250V AC/DC

Knife gate valve specifications

Knife gate valve options

D2G
 HL
 HG
 HP
 HPT
 HX
 JTV
 JT
 MV
 RKO
 RKS
 SLV
 SLF
 SLH
 SLX
 TV
 XV SL (semi lugged version)
 XV FL (fully lugged version)
 XV FLD (fully lugged version for dead-end services)
 WB
 WB11
 WB12
 WB14
 WB14E

Valve body materials

D Duplex stainless steel EN 1.4470
 E Stainless steel EN 1.4408
 L Nodular/Ductile iron EN 5.3105, EN-JS1050, GGG50
 SMO SMO254
 T Titanium ASTM B265 Grade 2

Retainer ring options

DSSRR Duplex stainless steel EN 1.4470
 NRR Nodular iron EN 5.3105, EN-JS1050, GGG50
 SSRR Stainless steel EN 1.4408
 SMORR 254 SMO stainless steel
 TRR Titanium ASTM B265 Grade 2

Retainer ring material only has to be specified in end of the description if it is different from standard.

Gate material and surface treatment options

FAL Duplex stainless steel EN 1.4462, S32205
 EPS Extra polished surface (max Ra 0,8)
 Hard Hardened
 HCR Hard chromed surface
 SF2 Nedox SF2 coating
 1.4301 Stainless steel EN 1.4301/AISI 304
 1.4404 Stainless steel EN 1.4404/AISI 316L
 SMO 254 SMO stainless steel
 T Titanium ASTM B265 Grade 2
 174ph Hardened 43 HRC 17-4 PH/ASME SA-693 Type630

Gate material and surface treatment only has to be specified in end of the description if it is different from standard.

Seat material options

E EPDM
 F FEPM
 V FPM/FKM
 NR Natural rubber
 N Nitrile
 M Metal with o-ring Nitrile (Brass on the RKS valve)
 MV Metal with o-ring FPM/FKM
 MHT Metal with grafoil tape
 P PTFE with o-ring Nitrile
 PE PTFE with o-ring EPDM
 PV PTFE with o-ring FPM/FKM
 PFDA FDA/EC 1935/2004 approved PTFE with o-ring Nitrile
 PEFDA FDA/EC 1935/2004 approved PTFE with o-ring EPDM
 PVFDA FDA/EC 1935/2004 approved PTFE with o-ring FPM
 U Polyurethane

Gland box packing options

TG Graphite
 TF PTFE
 TFFDA FDA/EC 1935/2004 approved PTFE
 TY TwinPack
 TYS TwinPack with a UHMW-PE scraper
 TYPS TwinPack with PTFE scraper
 TYB TwinPack with brass scraper
 WP WhitePack

Actuators

BS Bare shaft, actuator excluded.
 CW Chain wheel
 CFPXXX CFP double-acting pneumatic cylinder in size XXX
 CFPMOXXX CFP double-acting pneumatic cylinder in size XXX with manual override
 CFPCXXX CFP double-acting pneumatic cylinder in size XXX including pneumatic cushioning
 CFPSXXXO CFP single-acting pneumatic cylinder in size XXX with spring return to open the valve
 CFPSXXXC CFP single-acting pneumatic cylinder in size XXX with spring return to close the valve.
 CFPsmoXXXO CFP single-acting pneumatic cylinder in size XXX with spring return to open the valve and manual override
 CFPsxxxmoc CFP single-acting pneumatic cylinder in size XXX with spring return to close the valve and manual override.
 HL Hand lever
 HC Hydraulic cylinder double-acting. Brand and dimension must be specified if it is not Stafsjö standard.
 HW Hand wheel with non-rising stem
 HWR Hand wheel with rising stem
 EM Electrical motor for open-close duty with rising stem. Brand, size, voltage and any extra module must always be specified.
 EMR Electrical motor for modulating duty with rising stem. Brand, size, voltage and any extra module must always be specified.
 LI Electric motor from LINAK. Control unit must be specified
 PrepEM The valve is prepared for assembly of electric motors according ISO 5210 FXX connection A (rising stem).

PrepEMB3	The valve is prepared for assembly of electric motors according ISO 5210 FXX connection B3 (non-rising stem).
PrepBG	The valve is prepared for assembly of bevel gear according ISO 5210 FXX connection A (rising stem).
SCXXX	SC double-acting pneumatic cylinder in size XXX (100, 125, 160, 200, 250, 320). Magnetic piston is standard up to Ø 200 barrel size.
SCXXXM	SC double-acting pneumatic cylinder with a magnetic piston in size XXX (250, 320)

Flange drilling options

ANSI	ANSI/ASME B16.5 Class 150 and/or ANSI B 16.47 Class 150, serie A
ANSI300	ANSI/ASME B16.5 Class 300 and/or ANSI B 16.47 Class 150, serie A
ASD	AS 2129 Table D
ASE	AS 2129 Table E
BS	BS 10 table D
JIS	JIS B 2238 10K
PN10	EN 1092 PN10
PN16	EN 1092 PN16
PN25	EN 1092 PN25
PN50	EN 1092 PN50
SS	Stafsjö Standard

Flange drill pattern on the outlet/discharge side of RKO must also be specified if not standard square pattern. On JTV knife gate valves, keep in mind to also mention if metric or UNC threads is needed.

Standard accessories

ATEX	Valves supplied according directive 2014/34/EU Group II. Category and zone also have to be specified.
BC	Bottom cover
CUTR	Technical passport according CUTR 010/32
C4	Coated valve parts fulfill the requirements in EN ISO 12944 class C4 in applicable areas.
C5	Coated valve parts fulfill the requirements in EN ISO 12944 class C5 in applicable areas.
C5I	Coated valve parts fulfill the requirements in EN ISO 12944 class C5-I in applicable areas.
C5M	Coated valve parts fulfill the requirements in EN ISO 12944 class C5-M in applicable areas.
DC	Deflection cone
DG	Double gland
FC	Floor column to stem extensions
FSAT	Fail-safe solution with air accumulator tank
FAPSAIR	Fully automated purge systems with air purging
FAPS	Fully automated purge systems with water purging
FRL	Filter regulator Stafsjö standard including assembly bracket. Make a note if 1/4" or 1/2" should be supplied.
FRLNPT	Filter regulator Stafsjö standard including including assembly bracket and a NPT adapter for the air inlet port. Make a note if 1/4" or 1/2" should be supplied.
ILS	Inductive limit switch Stafsjö standard. Make a note if it should be for 20 - 250 V AC/DC or 10 - 36 V DC.
JB	Junction box Stafsjö standard.
LD	Lockouts with locking device/pin
LDR	Load distribution rings assembled on the valve
LDRL	Loose load distribution rings
MagLS	Magnetic limit switches Stafsjö standard.
MLS	Mechanical limit switch Stafsjö standard.

MSSSP81	Face-to-face dimensions according MSS-SP81.
POS	Positioner Stafsjö standard. Other brand and types must be specified.
PPS	Purge ports extra, standard positions.
PPC	Purge ports, customized positions. Position and quantity must be specified.
PPCSSPW	Purge ports customized positions including stainless steel pipe works. Position and quantity must be specified.
SBU	Ebro SBU switch box
SEL	Stem extension long. Extra supports must be specified.
SES	Stem extension short. Extra supports must be specified.
SSPW	Stainless steel pipe works (air tubes)
SP	Stem and piston rod protection/Bellow.
SSP	Stainless steel pillars
SSTWLD	Stainless steel top works including lockout
SV	Solenoid valve, Namur interface, Stafsjö standard. Make a note if should be supplied for 24 V DC, 110 V AC or 220/230 V AC.
SVB	Solenoid valve excluding namur interface, including bracket. Make a note if should be supplied for 24 V DC, 110 V AC or 220/230 V AC.
TAG	Tag plate
RFS	MV reverse flow supports
T-key	Stem extension with a T-key
Vp	V-port in stainless steel
2.2	2.2 certificate
3.1	3.1 certificate

Area for comments