

Wey Knife Gate Valve VNA in cast iron

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 part 20,
suitable for end-of-line installation;
bi-directional leak tight acc. EN 12266-1, rate A;
Transverse seal NBR with scraper EPGC,
re-packable under full pressure;
Round cord seal NBR;
Body with self-cleaning flushing corners;
Knife Gate Valve design with little dead space;

Body Cast iron (EN-GJL-250) EKB coating;
Gate 1.4301 with sharpened edges;
Topwork steel EKB coating, possibility of integrating limit switches;
non-rising stem chrome steel 1.4104;
Screws A4.70;
Flange drilling acc. PN10/16 EN1092 / ISO 7005;
Handwheel (EKB coating black)

Nominal pressure bar
Size DN ...

Supplier: Sistag AG
Alte Kantonsstrasse 7
6274 Eschenbach
Switzerland
weyvalve.com

Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
Body: 1.4408, 1.4470
Gate: 1.4404, 1.4571, 1.4462
Stem: 1.4404
Topwork: 1.4301, 1.4404
V-notch: V-notch insert in 1.4404
Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close;
i.e. Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC

Wey Knife Gate Valve VNA in stainless steel

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 part 20,
 suitable for end-of-line installation;
 bi-directional leak tight acc. EN 12266-1, rate A;
 Transverse seal NBR with scraper EPGC,
 re-packable under full pressure;
 Round cord seal NBR;
 Body with self-cleaning flushing corners;
 Knife Gate Valve design with little dead space;

Body Cast iron (EN-GJL-250) EKB coating;
 Gate 1.4301 with sharpened edges;
 Topwork steel EKB coating, possibility of integrating limit switches;
 non-rising stem chrome steel 1.4104;
 Screws A4.70;
 Flange drilling acc. PN10/16 EN1092 / ISO 7005;
 Handwheel (EKB coating black)

Nominal pressure bar
 Size DN

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 6274 Eschenbach
 Switzerland
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Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
 Body: 1.4470, EN-JL1040
 Gate: 1.4301, 1.4571, 1.4462
 Stem: 1.4404
 Topwork: 1.4301, steel EKB coating
 V-notch: V-notch insert in 1.4404
 Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close; i.e. Telemecanique
 XS1-M18PA371L1, 3-conductor, 12 - 48 VDC

Wey Knife Gate Valve VNB

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 Part 20,
suitable for end-of-line installation;
bi-directional leak tight acc. EN 12266-1, rate A;
Transverse seal NBR;
re-packable under full pressure;
Round cord seal NBR
Body with self-cleaning flushing corners;
Knife Gate Valve design with little dead space;

Body cast iron (EN-GJL-250) EKB coating;
Gate 1.4301, with sharpened edges;
Topwork steel EKB coating, possibility of integrating limit switches;
non-rising stem chrome steel 1.4104;
Screws A4.70;
Flange drilling acc. PN10/16 EN1092 / ISO 7005;
Quick action lever (EKB coating black)

Nominal pressure bar
Size DN

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Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
Body: 1.4408, 1.4470
Gate: 1.4404, 1.4571, 1.4462
Stem: 1.4404
Topwork: 1.4301, 1.4404
Safety guard: acc. machine directive with CE identification
Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close; i.e.
 Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC

Wey Knife Gate Valve VNC in cast iron

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 Part 20,
suitable for end-of-line installation;
bi-directional leak tight acc. EN 12266-1, rate A;
Transverse seal NBR with scraper EPGC,
re-packable under full pressure;
Round cord seal NBR;
Body with self-cleaning flushing corners;
Knife Gate Valve design with little dead space;

Body cast iron (EN-GJL-250) EKB coating;
Gate 1.4301, with sharpened edges;
Topwork steel EKB coating, possibility of integrating limit switches;
Piston rod chrome steel 1.4104;
Screws A4.70;
Flange drilling acc. PN10/16 EN1092 / ISO 7005;
Pneumatic cylinder double acting, cushioned in close position,
air supply 6-8 bar

Nominal pressure bar
Size DN

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Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
Body: 1.4408, 1.4470
Gate: 1.4404, 1.4571, 1.4462
Stem: 1.4404
Topwork: 1.4301, 1.4404
V-notch: V-notch insert in 1.4404
Safety guard: acc. machine directive with CE identification
Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close; i.e. Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC
Solenoid valve: Valve equipped with 5/2-way solenoid valve for double acting pneumatic cylinder control, i.e. Norgren 26230, IP65, 24 VDC, with emergency actuation, sound absorber, built on with PA/PU tube

Wey Knife Gate Valve VNC in stainless steel

Wey Knife Gate Valve VN with Face-to-face EN 558 / ISO 5752 Part 20,
 suitable for end-of-line installation;
 bi-directional leak tight acc. EN 12266-1, rate A;
 Transverse seal NBR with scraper EPGC,
 re-packable under full pressure;
 Round cord seal NBR
 Body with self-cleaning flushing corners;
 Knife Gate Valve design with little dead space;

Body stainless steel (1.4408);
 Gate 1.4404 hard-chromed, with sharpened edges;
 Topwork stainless steel 1.4404, possibility of integrating limit switches;
 Piston rod chrome steel 1.4104;
 Screws A4.70;
 Flange drilling acc. PN10/16 EN1092 / ISO 7005;
 Pneumatic cylinder double acting, cushioned in close position,
 air supply 6-8 bar

Nominal pressure bar
 Size DN

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Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
 Body: 1.4470, EN-JL1040
 Gate: 1.4301, 1.4571, 1.4462
 Stem: 1.4404
 Topwork: 1.4301, 1.4404
 V-notch: V-notch insert in 1.4404
 Safety guard: acc. machine directive with CE identification
 Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close;
 i.e. Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC
 Solenoid valve: Valve equipped with 5/2-way solenoid valve for double acting pneumatic cylinder control, i.e.
 Norgren 26230, IP65, 24 VDC, with emergency actuation, sound absorber, built on with PA/PU
 tube

Wey Knife Gate Valve VNE in cast iron

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 Part 20,
 suitable for end-of-line installation;
 bi-directional leak tight acc. EN 12266-1, rate A;
 Transverse seal NBR with scraper EPGC,
 re-packable under full pressure;
 Round cord seal NBR;
 Body with self-cleaning flushing corners;
 Knife Gate Valve design with little dead space;

Body cast iron (EN-GJL-250) EKB coating;
 Gate 1.4301, with sharpened edges;
 Topwork Steel EKB coating, possibility of integrating limit switches;
 Rising spindle chrome steel 1.4104;
 Screws A4.70;
 Flange drilling acc. PN10/16 EN1092 / ISO 7005;
 Electric actuator AUMA Norm type SA Gen. 2, voltage 400V / 50 Hz, equipment acc.
 AUMA wiring diagram TPA 00R1AA-101-000

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Seal: EPDM, FPM, PTFE
 Body: 1.4408, 1.4470
 Gate: 1.4404, 1.4571, 1.4462
 Stem: 1.4404
 Topwork: 1.4301, 1.4404
 V-notch: V-notch insert in 1.4404
 Safety guard: acc. machine directive with CE identification
 Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close;
 i.e. Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC
 Solenoid valve: Valve equipped with 5/2-way solenoid valve for double acting pneumatic cylinder control, i.e.
 Norgren 26230, enclosure IP65, 24 VDC, with emergency actuation, sound absorber, built on
 with PA/PU tube
 AUMA options: Tandem limit switch, mechanical position indicator, electronic position transmitter, type of
 duty S4 -25% or 50 %
 AUMA control: local control, thyristor, profibus

Wey Knife Gate Valve VNE in cast iron (specific example)

Wey Knife Gate Valve VN with face-to-face EN 558 / ISO 5752 Part 20,
suitable for end-of-line installation;
bi-directional leak tight acc. EN 12266-1, rate A;
Transverse seal NBR with scraper EPGC,
re-packable under full pressure;
Round cord seal NBR;
Body with self-cleaning flushing corners;
Knife Gate Valve design with little dead space;

Body cast iron (EN-GJL-250) EKB coating;
Gate 1.4301, with sharpened edges;
Topwork steel EKB coating, possibility of integrating limit switches;
Rising spindle chrome steel 1.4104;
Screws A4.70;
Flange drilling acc. PN10/16 EN1092 / ISO 7005;

Electric actuator AUMA Norm type SAR with following execution:
0.4 kW, 3 X 400 V / 50 Hz 3-phase asynch. Motor
model IM B9 with thermostiches (NC)
Output speed 45 RPM., closing time approx. ... sec.
2 torque- and 2 limit switches (per end position
1 NO + 1 NC, not DC-isolated) and blinker unit
Heater 5-20 W / 110-250 V AC/DC (electric power must
be connected immediately after installation).
Incl. electronic position transmitter RWG 4-wire system
Output signal 4 - 20 mA, 24 VDC, +/- 15% smoothed

Isolation class F, from -40°C bis +80°C, enclosure IP68,
corrosion protection KS, colour silver grey RAL 7037
actuator can be operated by handwheel in case of emergency
type SAR für duty S4 -50 % time duty

Additional mounted AUMATIC AC 01.1:
Push buttons open-stop-close, selector switch local-off-remote,
with indication lights, lockable with padlock,
voltage for heating 24 VDC
enclosure IP68, corrosion protection KS
Thyristor instead of reversing contactors
Wiring diagram: MSP 1110KC3-F18E1 TPA 00R1AA-1E1-000)

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Wey Knife Gate Valve VNH in cast iron

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 suitable for end-of-line installation;
 bi-directional leak tight acc. EN 12266-1, rate A;
 Transverse seal NBR with scraper EPGC,
 re-packable under full pressure;
 Round cord seal NBR;
 Body with self-cleaning flushing corners;
 Knife Gate Valve design with little dead space;

Body cast iron (EN-GJL-250) EKB coating;
 Gate 1.4301, with sharpened edges;
 Topwork steel EKB coating, possibility of integrating limit switches;
 Screws A4.70;
 Flange drilling acc. PN10/16 EN1092 / ISO 7005;
 Actuated by oil hydraulic cylinder, cylinder tube St52-3 honed,
 piston rod steel Ck45 hard-chromed, i.e. Woodtli

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Possible materials & options, depending on duty/application:

Seal: EPDM, FPM, PTFE
 Body: 1.4408, 1.4470
 Gate: 1.4404, 1.4571, 1.4462
 Stem: 1.4404
 Topwork: 1.4301, 1.4404
 V-notch: V-notch insert in 1.4404
 Safety guard: acc. machine directive with CE identification
 Limit switch: Valve equipped with 2 inductive limit switches for position feedback open/close;
 i.e. Telemecanique XS1-M18PA371L1, 3-conductor, 12 - 48 VDC