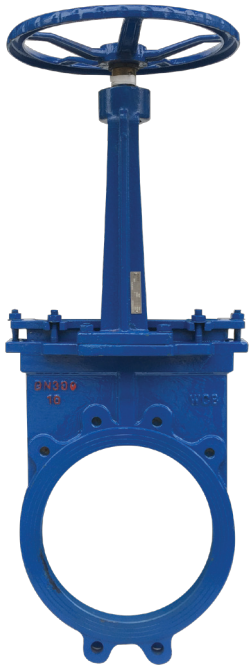
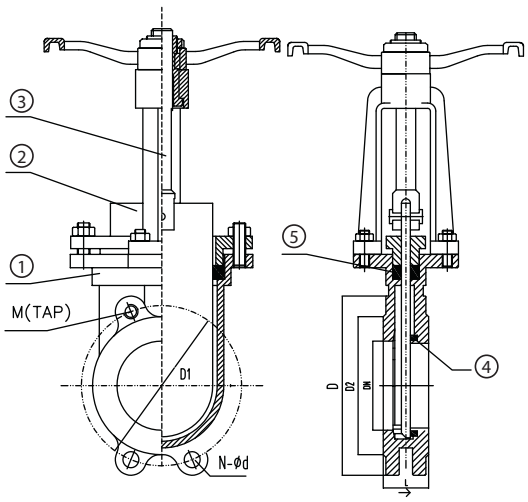
POFCO Wafer Knife Gate Valve with Handwheel





FEATURE

* Knife Gate Valve is composed of narrow body and sliding gate.
* The gate has sharp blade that can separate or cut the solid particles in the fluid media.
* The polishing treatment on the gate surface strengthens its penetrating power and effectively guarantees the service life of both packing and valve seat.
* The bottom of the valve body is provided with the gate hold-down device that can safely presses the gate tightly on the valve seat in order to ensure valid tight-seal
*Product are widely used in water treatment, paper-making, Power industry, Chemical industry, Iron and Steel Industry, Mining and So on.

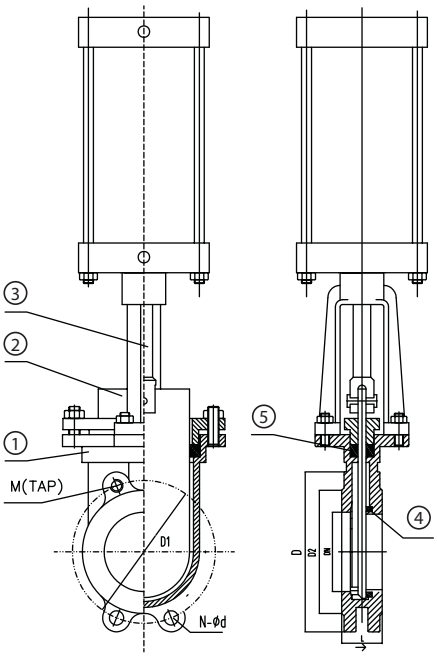
TECHNICAL DATA

SIZE	DN 50 - DN 700 (2" - 28")
Working Pressure	DN 50 - DN 250 : 10 Bar DN 300 - DN 450 : 6 Bar DN 500 - DN 600 : 4 Bar DN 700 : 2 Bar
Temperature	- 60° C --> 1,100° C
Leakage Class	Max. 40 ml/min / inch : Metal Seat Zero : PTFE & RUBBER SEAT
Flanges according to	JIS 10K , ANSI 150 , PN 10 , PN 16
Design standard :	MSS SP 81, JB/T8691

MATERIAL OF CONSTRUCTION

Item	Part Name	Materials
1	BODY	WCB/CF8/CF8M/CF3/CF3M/ Duplex Stainless Steel, etc.
2	GATE	SS201/SS304/SS316/Duplex Stainless Steel, etc.
3	STEM	SS420/SS304/SS316/Duplex Stainless Steel, etc.
4	SEAT	PTFE/NBR/EPDM/VITON/METAL
5	PACKING	Teflon/Graphite/Natural Rubber, etc.

POFCO Wafer Knife Gate Valve with Cylinder



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Working Pressure	DN 50 - DN 250 : 10 Bar DN 300 - DN 450 : 6 Bar DN 500 - DN 600 : 4 Bar DN 700 : 2 Bar
Temperature	- 60° C --> 1,100° C
Leakage Class	Max. 40 ml/min / inch : Metal Seat Zero : PTFE & RUBBER SEAT
Flanges according to	JIS 10K , ANSI 150 , PN 10 , PN 16
Design standard :	MSS SP 81, JB/T8691

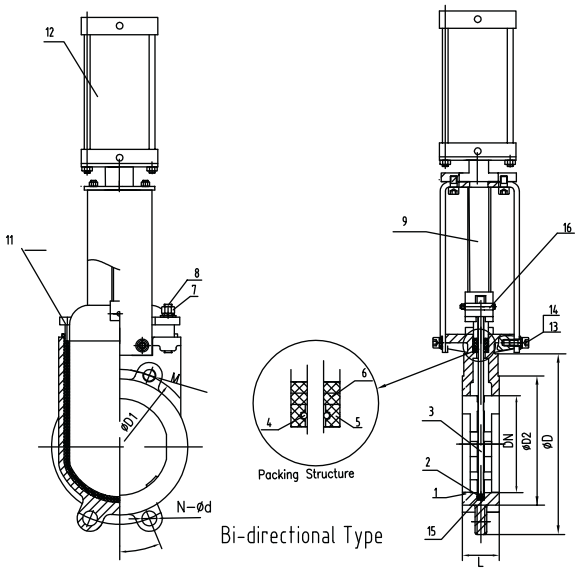
MATERIAL OF CONSTRUCTION

Item	Part Name	Materials
1	BODY	WCB/CF8/CF8M/CF3/CF3M/ Duplex Stainless Steel, etc.
2	GATE	SS201/SS304/SS316/Duplex Stainless Steel, etc.
3	STEM	SS420/SS304/SS316/Duplex Stainless Steel, etc.
4	SEAT	PTFE/NBR/EPDM/VITON/METAL
5	PACKING	Teflon/Graphite/Natural Rubber, etc.

POFCO POFCO Bi-Directional Knife Gate Valve

FEATURE

* Knife Gate Valve is Bi-Directional, Zero Leakage, withstanding high differential pressure and full bore valve with minimal seat cavity for maximum flow capacity.
* No groove is designed on the valve seat, which prevents accumulating media on the sealing surface and thus avoids sealing surface leakage or dish blocked caused by media accumulation.
* The integrated body structure with precision casing
* U-Shaped resilient seat is embeded in to the body and is well-connected with the gate and the friction force is reduced during the upward and downward movements of the gate. This greatly prolongs the using life of the seat and realizes bi-directional sealing.
* The rubber O-Ring is embeded in to the flange groove which makes it convenient to connect the valve to pipe and provides reliable sealing.
* Knife Gate Valve is widely used in urban sewage treatment, paper-making, mine slag discharge and the field alike.



TECHNICAL DATA

SIZE	DN 50 - DN 1000 (2" - 40")
Working Pressure	DN 50 - DN 250 : 10 Bar DN 300 - DN 400 : 6 Bar DN 450 : 5 Bar DN 500 - DN 600 : 4 Bar DN 700 - DN 1000 : 2 Bar
Temperature	- 20 ° C --> 170 ° C
Leakage Class	Zero Leakage
Flanges according to	JIS 10K , ANSI 150 , PN 10 , PN 16

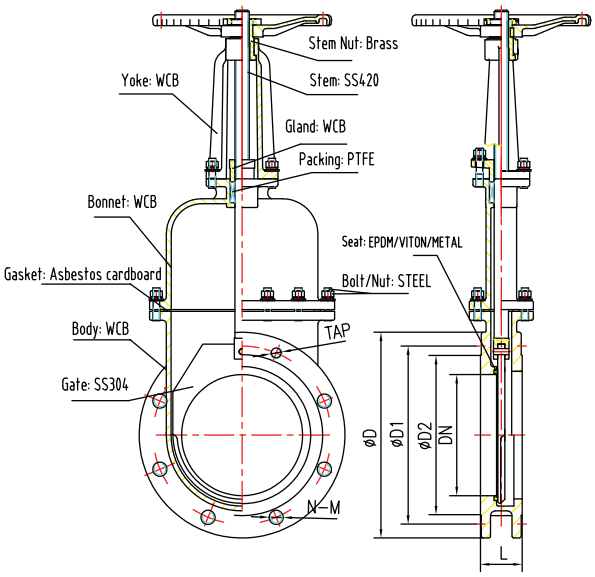
MATERIAL OF CONSTRUCTION

Item	Part Name	Materials
1	BODY	Ductile Iron GGG40/GGG50
2	GATE	Stainless Steel SS201/SS304/SS316/ Duplex Stainless Steel
3	STEM	Stainless Steel SS420/SS304/SS316/ Duplex Stainless Steel
4	SEAT	EPDM / NBR

POFCO POFCO Bolted Bonnet Knife Gate Valve

FEATURE

* The gate of the fully closed Knife Gate Valve is embedded inside the Valve body, totally isolated from exterior environment. the Valve cap is provided with round stuffing box which can effectively avoid the leakage of fluid media.
* Both top part of the gate and bottom part of the valve body are provided with hold-down devices. Effective seal may be achieved by changing the vertical pushing force of the valve rod into lateral force so that the gate presses tighly against the valve seat.
* This product is extremely suitable for being applied in automation control systems that call for frequent startups and shutdowns and high enviroment requirements, including food, brewing , coal - liquefaction, sewage treatment, petrochemical, steel and other industries.



TECHNICAL DATA

SIZE	DN 50 - DN 2000 (2" - 80")
Working Pressure	DN 50 - DN 250 : 10 Bar DN 300 - DN 450 : 6 Bar DN 500 - DN 600 : 4 Bar DN 700 - DN 1200 : 2 Bar DN 1400 - DN 2000 : 1 Bar
Temperature	- 60 °C --> 1,100 °C
Leakage Class	Max 40 ml/min/inch : Metal Seated. Zero : PTFE & RUBBER Seated.
Flanges according to	JIS 10K , ANSI 150 , PN 10 , PN 16
Design Standard	MSS SP 81 , JB / T8691

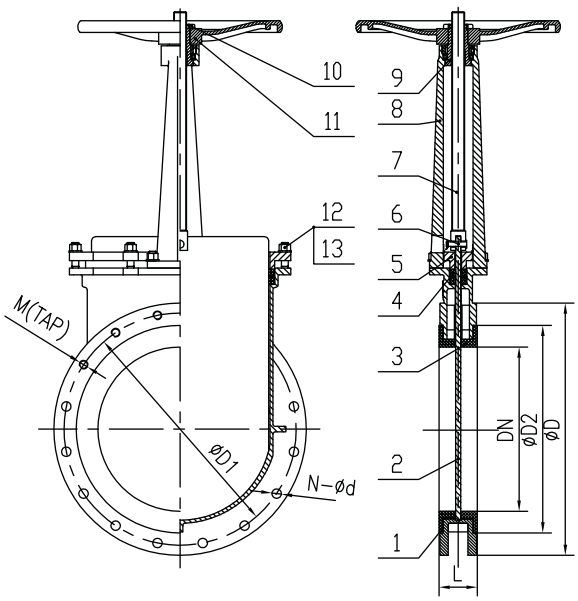
MATERIAL OF CONSTRUCTION

Item	Part Name	Materials
1	BODY	WCB/CF8/CF8M/CF3/CF3M/ Duplex Stainless Steel, etc.
2	DISC	Stainless Steel SS201/SS304/SS316/ Duplex , etc.
3	STEM	Stainless Steel SS420/SS304/SS316/ Duplex , etc.
4	SEAT	PTFE / EPDM / NBR / VITON / METAL
5	PACKING	Teflon/Graphite/Natural Rubber, etc.

POFCO Ceramic Knife Gate Valve

FEATURE

* The sealing surface uses high-end ceramics with toughened structure which has exceedingly high-wear and corrosion-resistant performances.
* Knife Gate Valve is composed of narrow body and sliding gate.
* The gate has sharp blade that can separate or cut the solid particles in the fluid media.
* The polishing treatment on the gate surface strengthens its penetrating powerand effectively guarantees the service life of both packing and valve seat.
* The bottom of the valve body is provided with the gate hold - down device that can safely presses the gate tightly on the valve seat in order to ensure effective tight-seal.
* Products are widely used in water treatment, paper-making, Power-Industry, ChemicalIndustry, Iron and Steel industry Mining and so on.



TECHNICAL DATA

SIZE	DN 50 - DN 600 (2" - 24")
Working Pressure	DN 50 - DN 250 : 10 Bar DN 300 - DN 400 : 6 Bar DN 450 : 5 Bar DN 500 - DN 600 : 4 Bar
Temperature	- 29 ° C --> 200 ° C
Leakage Class	Max 40 ml/min/inch : Metal Seated, Ceramic Seated.
Flanges according to	JIS 10K , ANSI 150 , PN 10 , PN 16
Design Standard	JB / T 8691

MATERIAL OF CONSTRUCTION

Item	Part Name	Materials
1	BODY	WCB/CF8/CF8M/CF3/CF3M/ Duplex Stainless Steel, etc.
2	DISC	Stainless Steel SS201/SS304/SS316/ Duplex , etc.
3	STEM	Stainless Steel SS420/ SS304/SS316/ Duplex , etc.
4	SEAT	Ceramic, Metal.
5	PACKING	Teflon/Graphite/Natural Rubber, etc.