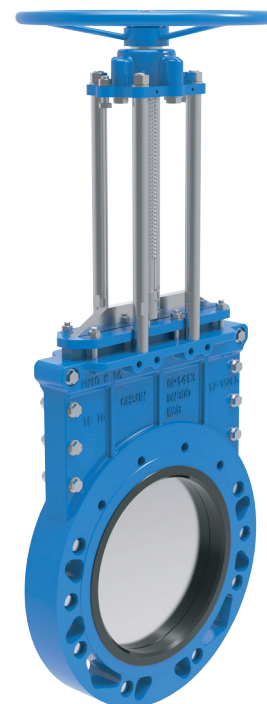


Fellbach QP Series Replaceable PU-Lined Knife Gate Valve

QP Series Replaceable PU-Lined, Bi-Directional Sealing, Wear-Resistant Knife Gate Valve

FEATURES

- **Model** : QPZ73X
- **Working Pressure** : DN50-DN100: 2.0 MPa
DN125-DN150: 1.6 MPa
DN200-DN300: 1.5 MPa
DN350-DN400: 1.2 MPa
DN450-DN600: 1.0 MPa
- **Connection Type** : Wafer Type
- **Design Standard** : JB/T 8691-2013
- **Flange Standard** : GB/T 9113.1-2010
- **Face-to-Face Dimension** : GB/T 15188.2-94, Chart 6-7
- **Inspection Standard** : GB/T 13927-2008
- **Operation Options** : Handwheel, worm gear, pneumatic actuator, electric actuator, hydraulic actuator, electro-hydraulic actuator, chain wheel
- **Valve Body Materials** : F55, F53, 2205, CF3M, CF8M, CF8, WCB, GGG40
- **Gate Materials** : F55, F53, 2205, SS310, SS316L, SS316, SS304
- **Sealing Material** : Modified Polyurethane
- **Packing** : Aramid, high-water-based packing, PTFE, rubber
- **Applicable Media** : Slurry, mineral slurry, municipal wastewater treatment, sugar mills, powders, paper manufacturing, pharmaceutical, chemical plant



Product Description:

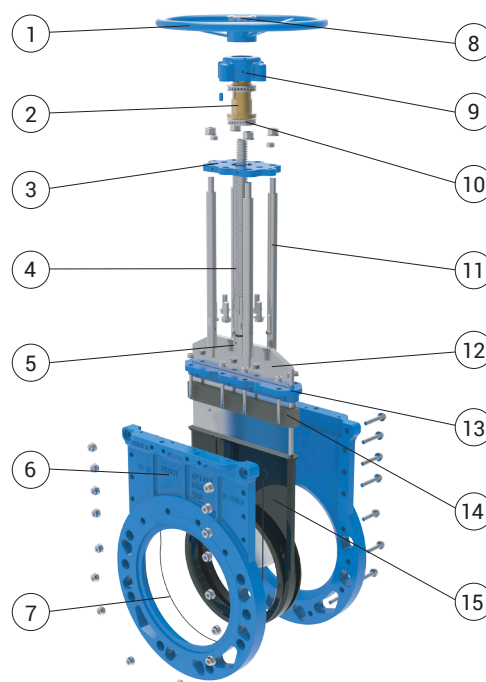
The valve body adopts a two-piece wafer-type construction, allowing the polyurethane liner to be clamped and installed inside the valve body cavity. This ensures that the process medium does not come into direct contact with the valve body, providing effective protection against erosion and wear. Clearance parallel strips and scraper elements are provided between the liner and the gate edges and surfaces.

These features prevent the gate from being obstructed by the process medium during operation, allowing smooth parallel movement while reducing the possibility of clogging and eliminating residual material. This improves sealing performance and makes the valve particularly suitable for use with weakly acidic or alkaline mineral slurries.

Key Features:

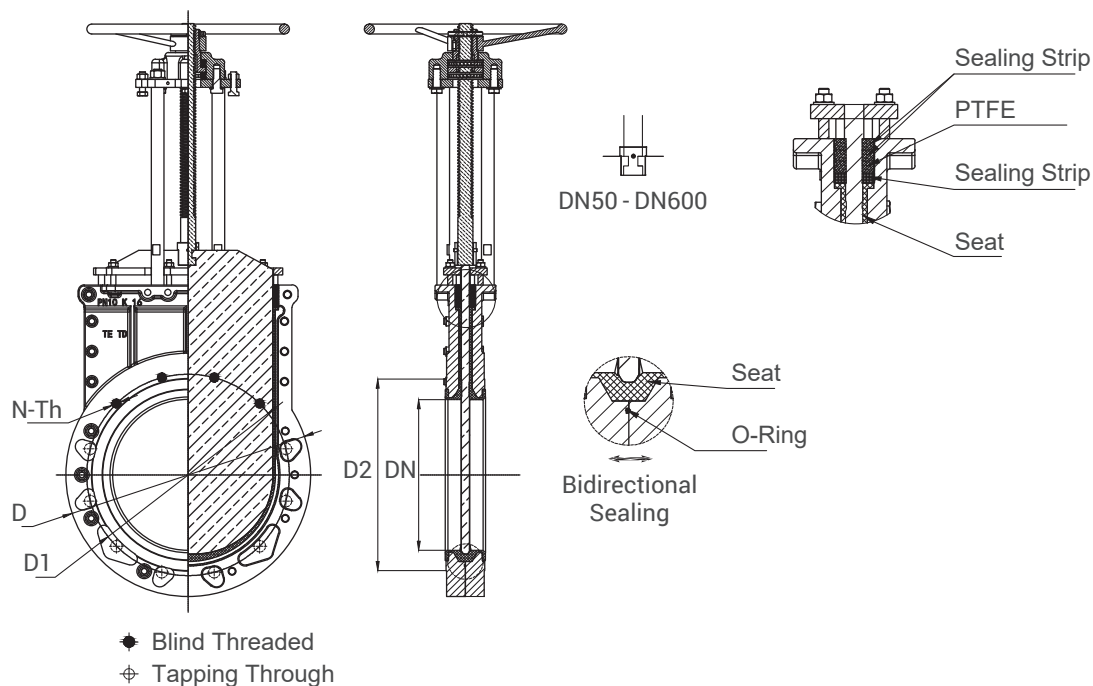
Two-piece valve body design; modified polyurethane seat with excellent wear resistance, suitable for slurry applications; multi-layer scraper structure with different sealing packing materials.

Code	Name	Material	Qty
1	Handwheel	Cast Iron	1
2	Copper Nut	Copper	1
3	Bracket Flange Head	Q235	1
4	Stem	2Cr13	1
5	Connecting Sleeve	Carbon Steel	1
6	Valve Body	Cast Carbon Steel	1
7	Rigid Sealing Strip	EPDM	1
8	Lock Nut	Carbon Steel	1
9	Integral Rising-Stem Bracket Head	Carbon Steel	1
10	Thrust Ball Bearing	Bearing Steel	2
11	Four Pillars	45#	4
12	Gate	AISI 304	1
13	Retaining Strip	Q235	1
14	Packing	PTFE + EPDM	1
15	Seat	EPDM	1



Fellbach QP Series Replaceable PU-Lined Knife Gate Valve

■ Dimensions:



■ Unit (mm):

PN10

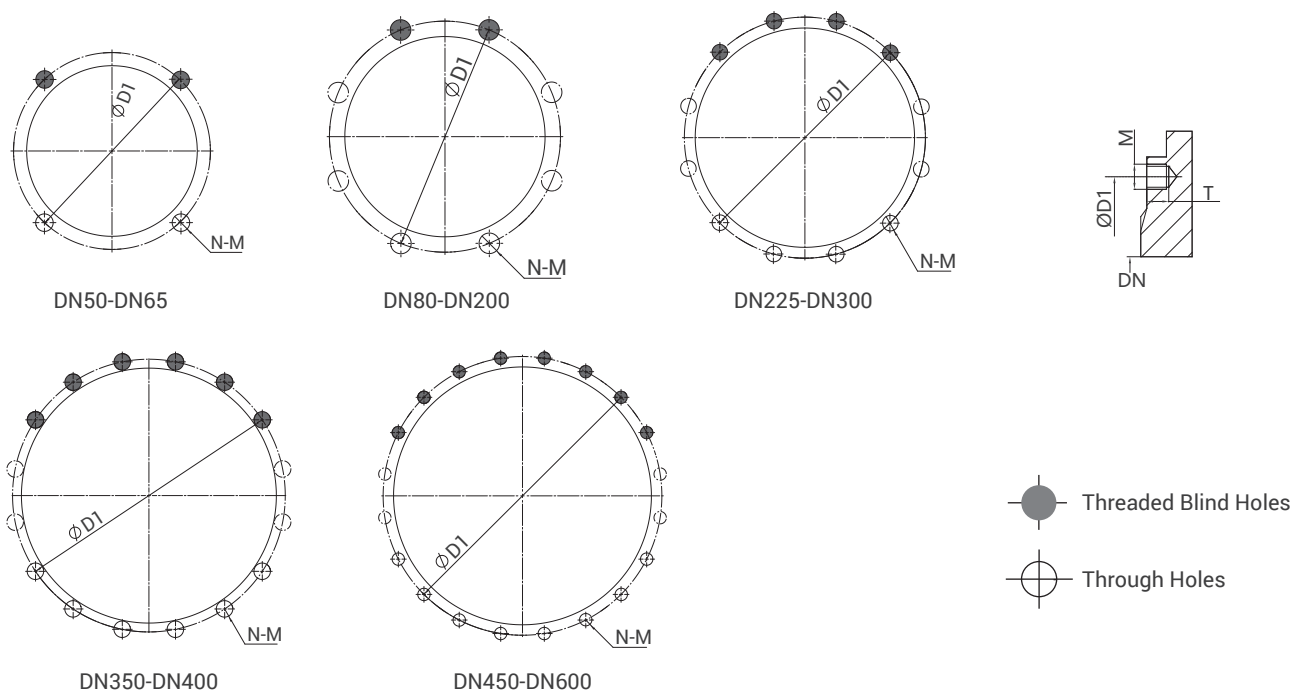
DN	L	D	D1	D2	D0	N-Th	d Ø	H1
50	48	165	125	99	180	4-M16	18	320
65	48	185	145	118	200	4-M16	18	350
80	51	200	160	132	200	8-M16	18	370
100	51	220	180	156	240	8-M16	18	410
125	57	250	210	184	260	8-M16	18	460
150	57	285	240	211	280	8-M16	23	510
200	70	340	295	266	300	8-M16	23	580
250	70	395	350	319	320	12-M20	23	700
300	76	445	400	370	350	12-M20	23	800
350	76	505	460	429	400	16-M20	23	890
400	89	365	515	480	450	16-M20	27	1000
450	89	615	565	530	500	20-M24	27	1160
500	114	670	620	582	500	20-M24	27	-
550	114	725	680	638	-	20-M27	30	-
600	114	780	725	682	-	20-M27	30	-

ANSI 150LB

DN	L	D	D1	D2	D0	N-Th	d Ø	H1
2"	48	150	120.7	92	180	4-5/8-11UNC	19	320
2½"	48	180	139.7	105	200	4-5/8-11UNC	19	350
3"	51	190	152.4	127	200	4-5/8-11UNC	19	370
4"	51	230	190.5	157.5	240	8-5/8-11UNC	19	410
5"	57	255	215.9	186	260	8-3/4-10UNC	22	460
6"	57	280	241.3	216	280	8-3/4-10UNC	22	510
8"	70	345	298.5	270	300	8-3/4-10UNC	22	580
10"	70	405	362	324	320	12-7/8-9UNC	26	700
12"	76	485	431.8	381	350	12-7/8-9UNC	26	800
14"	76	535	476.3	413	400	12-1/8UNC	29	890
16"	89	595	539.8	470	450	16-1/8UNC	29	1000
18"	89	635	577.9	533	500	16-1 1/8-7UNC	32	1160
20"	114	700	635	584.5	500	20-1 1/8-7UNC	32	-
22"	114	750	692	641	-	20-1 1/4-7UNC	35	-
24"	114	815	749.3	692.5	-	20-1 1/4-7UNC	35	-

Fellbach QP Series Replaceable PU-Lined Knife Gate Valve

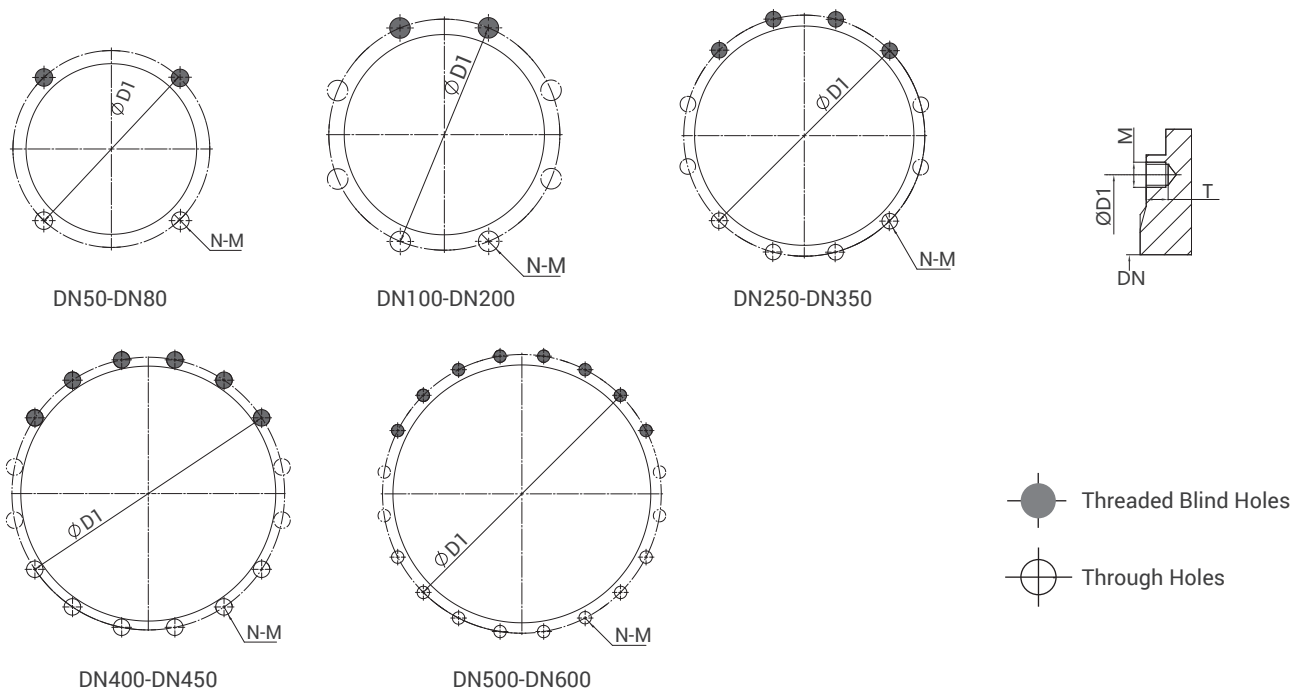
PN10 Wafer Flange — Threaded Blind Holes and Through Holes



DN (Size)	D1 (Flange Hole Pitch)	N	M (Thread Standard)	T (Min.Thread Depth)	Blind Holes	Through Holes
50	125	4	M16	2	2	2
60	145	4	M16	2	2	2
80	160	8	M16	2	2	6
90	170	8	M16	2	2	6
100	180	8	M16	2	2	6
125	210	8	M16	2	2	6
150	240	8	M20	2	2	6
175	265	8	M20	2	2	6
200	295	8	M20	2	2	6
225	310	12	M20	4	4	8
250	350	12	M20	4	4	8
300	400	12	M20	4	4	10
350	460	16	M20	6	6	10
400	515	16	M24	6	6	12
450	565	20	M24	8	8	12
500	620	20	M24	8	8	12
550	680	20	M27	8	8	12
600	725	20	M27	8	8	12

Fellbach QP Series Replaceable PU-Lined Knife Gate Valve

ANSI 150LB Wafer Flange — Threaded Blind Holes and Through Holes



DN (Size)	D1	N	M (Thread Standard)	T	Blind Holes	Through Holes
2"	120.7	4	4-5/8-11UNC	2	2	2
2½"	139.7	4	4-5/8-11UNC	2	2	2
3"	152.4	4	4-5/8-11UNC	2	2	2
4"	190.5	8	8-5/8-11UNC	2	2	6
5"	215.9	8	8-3/4-10UNC	2	2	6
6"	241.3	8	8-3/4-10UNC	2	2	6
8"	298.5	8	8-3/4-10UNC	2	2	6
10"	362	12	12-7/8-9UNC	4	4	8
12"	431.8	12	12-7/8-9UNC	4	4	8
14"	476.3	12	12-1-8UNC	4	4	8
16"	539.8	16	16-1-8UNC	6	6	10
18"	577.9	16	16-1 1/8-7UNC	6	6	10
20"	635	20	20-1 1/8-7UNC	8	8	12
22"	692	20	20-1 1/4-7UNC	8	8	12
24"	749.3	20	20-1 1/4-7UNC	8	8	12