



A940

2" - 24" (DN50 - DN600) 150psi (10bar)

30" - 36" (DN750 - DN900) 100psi (7bar)

Unidirectional Knife Gate Valve

Reliable Seal & Good Elastic Memory

A940

AEN.TECH A940 adopts one piece cast body design, which offers rugged performance in applications ranging from general purpose to severe media handling, and available with integral metal or replaceable soft seat. This type gate valve is easily automated for on/off applications.

Design: ANSI SP-81

Testing: ANSI SP-81

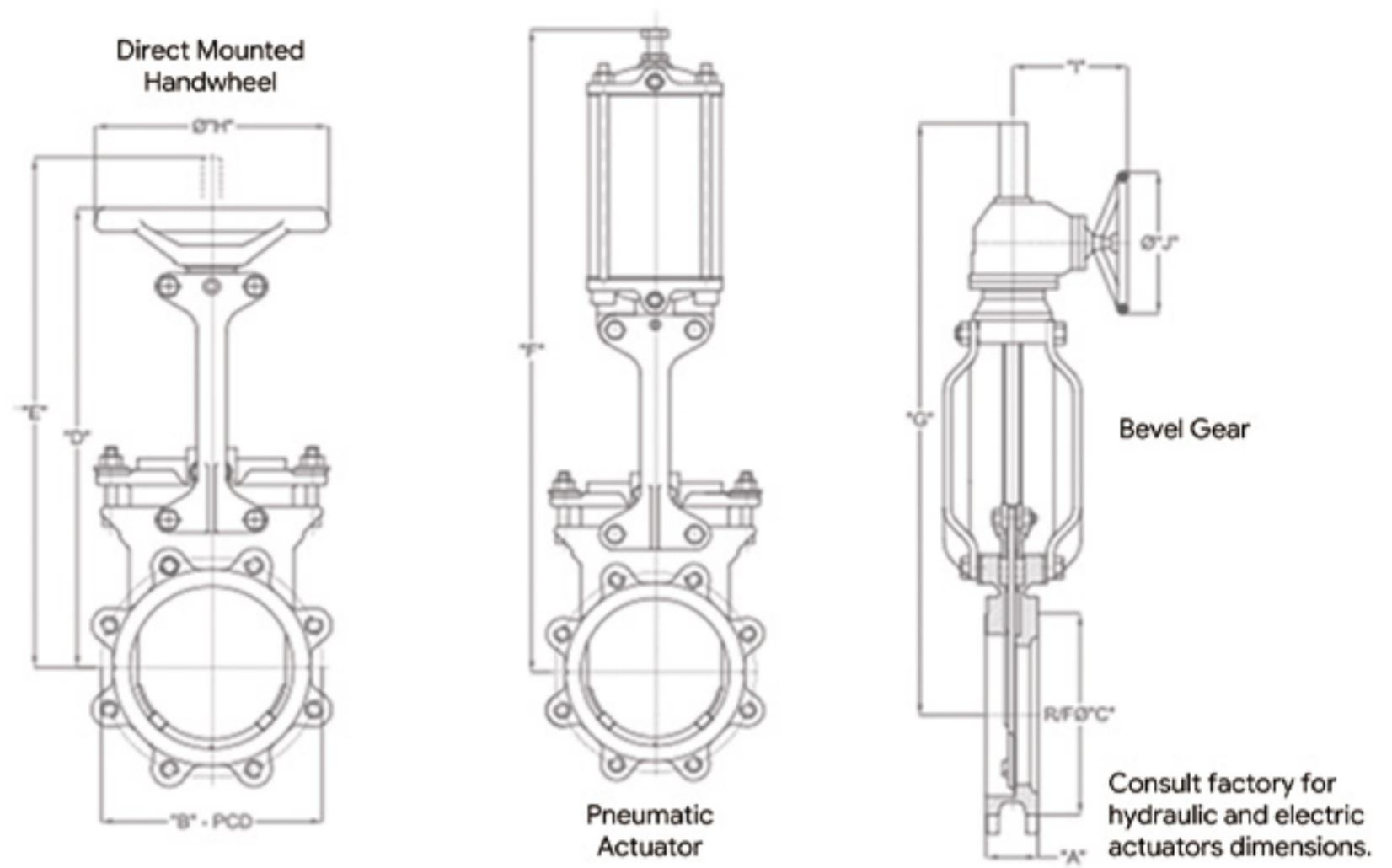
Face to Face: ANSI SP-81

Drilling: ASME B16.5 CL150, ASME B16.47 CL150

Actuator Options: Hand wheel, Bevel Gear, Pneumatic, Hydraulic, Electric.

Features:

1. Designed for easy and quick conversion between manual and pneumatic actuator. Featuring a lubricant injection port for continuous, smooth operation with minimal maintenance.
2. Clevis design and horizontal bolting advisability gate ensuring proper alignment.
3. Standard multi-layer square packing provides exceptional gland sealing.
4. Optional energized square seal packing is for the enhance of gland sealing.
5. The seat is optional in standard integral metal seat and replaceable zero leakage resilient seat.
6. Design of deflection resistant gate ensures consistent alignment for industry leading durability.
7. Unique body design with no dead pockets enables self-draining of the valve.



Dimensions(mm)

DN	A	B	R/FøC	D	E	F	G	øH	I	øJ
50	48	121	92	332	359	460	-	203	-	-
80	51	152	127	400	457	555	-	203	-	-
100	51	191	157	441	525	622	-	203	-	-
125	57	216	186	494	595	707	-	254	-	-
150	57	242	216	532	657	795	-	254	-	-
200	70	299	270	632	807	956	757	299	296	508
250	70	362	324	694	942	1137	892	406	296	508
300	76	432	375	780	1080	1274	1043	406	296	508
350	76	476	413	836	1157	1334	1160	508	306	508
400	89	540	470	921	1285	1472	1260	508	306	508
450	89	578	534	1044	1459	1647	1468	508	306	508
500	114	635	584	1158	1616	1843	1607	508	306	508
600	114	750	692	1354	1921	2143	1903	508	306	508

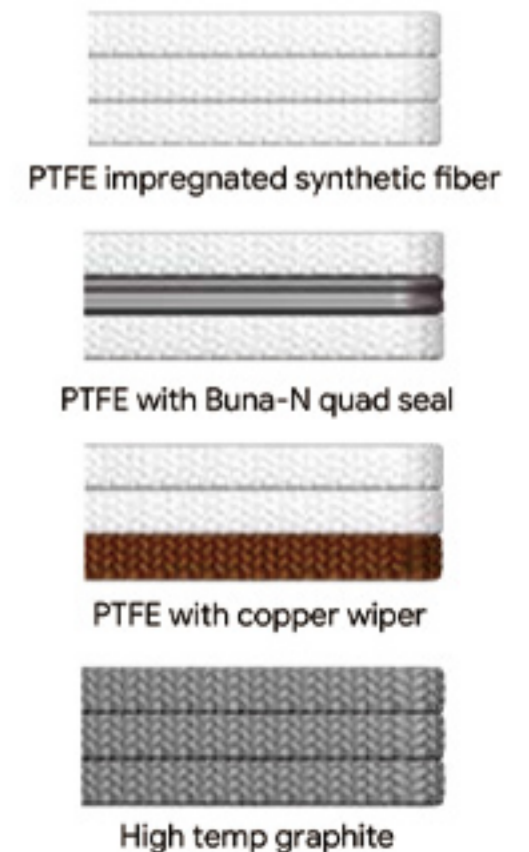
Dimensions are approximate and subject to change. Consult factory for certified drawings.

Weights(kg)

DN	50	80	100	125	150	200	250	300	350	400	450	500	600
Handwheel	9	13	14	22	23	35	53	76	120	162	215	340	405
Pneumatic Actuator	16	18	24	35	38	55	96	142	186	225	272	365	478
Gear Operator	-	-	-	-	-	48	83	95	128	165	215	275	435

Maximum Temperature Range

PTFE impregnated synthetic fiber	232°C
PTFE w/Buna-N quad seal	90°C
Quad seal	200°C
EPDM quad seal	120°C
Pure PTFE (Food grade)	260°C
Copper wiper2	500°C
Graphite	650°C
Special	> 650°C



Standard Construction

Body	CF8	CF8M	WCB
Gate	304	316	304
Seat	Integral	Integral	Integral
Stem	304	304	304
Gland	304	304	WCB
Packing	PTFE	PTFE	PTFE
Topworks	Steel	Steel	Steel

Body Options

Carbon steel (WCB)
CF8 stainless steel
CF8M stainless steel
CF3M stainless steel
SAF 2205 duplex
SAF 2507 duplex

Gate Options

304, 316, 317 stainless steel
SAF 2507 duplex
17-4PH stainless steel
Titanium

Seat options

Replaceable
Metal seat
Buna-N -35°-194°F/-37°-90°C
EPDM -65°-248°F/-54°-120°C
FKM -59°-392°F/-15°-200°C
PTFE -235°-450°F/-148°-232°C

Packing options

PTFE	232°C/450°F
Elastomer	90°C/194°F
Quad seal	200°C/392°F
Copper	500°C/932°F
Wiper	
Graphite	1000°C/1832°F

Characteristics of A940 Valve

- 100% bubble tight shut off.
 - Two pieces sleeve provides bidirectional flow and shut-off.
 - Full port design, minimizes pressure drop across valve.
 - No seat cavity where solids can collect and prevent full gate closure.
 - Self-adjusting secondary seal.
 - No metal parts in contact with the flowing media in the position.
 - Adaptable yoke design featuring a removal stem nut, can be field modified to an air cylinder or bevel gear in the field without welding.
- Body housing drilled and tapped to match ASME 816.5 flanges as standard.
- Optional drilling PN10 or PN16.



ABOUT

AEN.TECH is an integrated machinery manufacturing group company. It has 18 years of development history since its first plant was put into operation. Currently, it has three factories in China and mainly produces various types of valves and machined products. Over the years, the products have been widely used in metallurgy, chemical industry, sewage treatment, heating and construction, gas, and other fields, and AEN committed to providing customers with a full range of industrial valve solutions.



World Headquarters, Anshan, China

The factory has advanced processing equipment and the products are produced in accordance with API, ANSI, JIS, ISO, BS, JB, and GB standards. The production technology is advanced and the testing methods are perfect.

Over the years, the company has served the world's industrial sectors with its advantages of good reputation, stable product quality, modern enterprise management, automated processing equipment and advanced technology.

The main products: valves, pipe fittings.

Worldwide Sales and Services Network



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