

Nivz Valves & Automation

Unidirectional Knife Gate Valve

DRG. No.: KGMTL

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Rev. No.

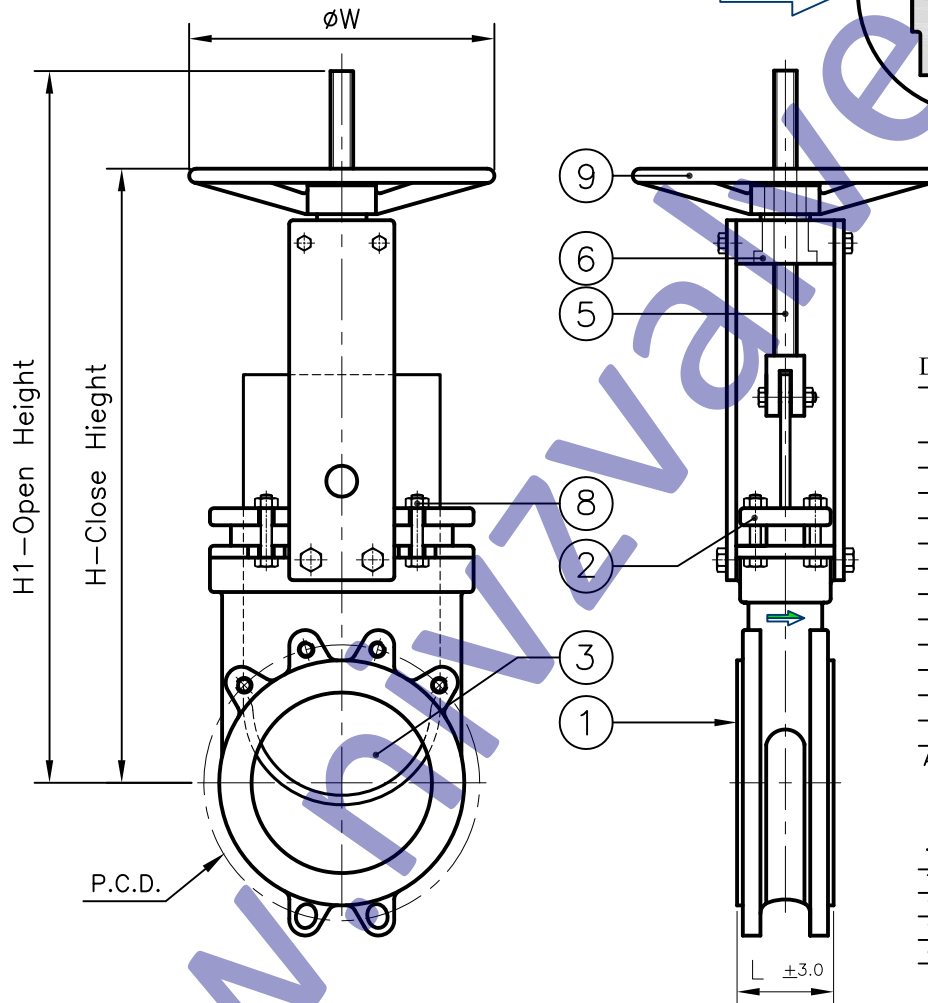
Wafer-Two Lugs Type, Flangeless, Sandwich Type**Nomenclature:-**

Design Standard : MSS SP 81
Testing Standard : MSS SP 81
Face To Face : MSS SP 81
Pressure Rating : 150 PSI (10 BAR)
Body Design : Wafer Type [Two Lugs Body]
: Throughout Elliptical Hole In All Lugs
: Tapped Hole in Body Chest Area
End Connection : Wafer Type To Suit Between
ANSI B 16.5, Class 150 Flanges
Operation : Manual Hand Wheel Operated

NO.	PART NAME	MATERIAL
1	BODY	A 216 GR. WCB A 351 GR. CF8/CF8M/CF3/CF3N/CA15 OTHERS ON REQUEST
2	GLAND	
3	KNIFE GATE	SS 304/316/304L/316L ALLOY 20/HASTELLOY/DUPLEX STEEL
4	SEAT	INTEGRAL WITH BODY, METAL TO METAL
5	SPINDLE	SS 304/316/304L/316L
6	SPINDLE NUT	SGI/D2/GUN METALL/GRASS
7	GLAND PACKING	PTFE IMPREGNATED/GRAPHITE ASBESTOS
8	FASTENERS	B7-2H/SS 304/316
9	HAND WHEEL	DUCTILE IRON/CARBON STEEL
10	HAND WHEEL NUT	A 105

SALIENT FEATURES:

- * Single Casted Body, Corrosion Resistant, Solid Heavy Duty
- * Uni-Directional Design, Rising Stem, Non-Rising Hand Wheel
- * Available In Different Combination Of Body, Gate & Seat.
- * Long Life, Easy Operation & Installation
- * Pneumatic/Electric Operation Also Available

**DIMENSIONS [150#]**

VALVE SIZE	H	H1	ØW	L	PCD
80	233	475	215	51	152.4
100	374	520	215	51	190.5
125	408	600	250	57	215.9
150	459	652	250	57	241.3
200	581	822	293	70	298.4
250	681	1022	418	70	361.9
300	781	1122	418	76	431.8
350	890	1323	505	76	476.2
400	994	1427	505	89	539.7
450	1086	1594	505	89	577.8
500	1150	1822	505	114	635.0
600	1351	2180	505	114	749.3

All Dimensions Are In mm

Test Pressure In Kg./Cm²

Test	Hydrostatic	Air
Shell	10.0	
Seat	2.82	
Others		

Allowage Seat Leakage Rate*** For Metal Seated Valves**

MSS SP 81 Has An Allowable Leakage Rate
Of 40 CC Per Inch Of Diameter, Per Minute, At 2.82 Kg. Pr.
On A 12" Size, 480 CC Per Minute At 2.82 Kg. Pr.

*** For Soft Seated Valves Only**

No Visible Leakage When Tested With Water At 2.82 Kg. Pr.



VALVES & AUTOMATION

www.nivzvalves.com

Client _____

Order / Enq. No. _____

Job / Project _____

Manufactured By : Nivz Valves & Automation, Ahmedabad, Gujarat, INDIA.

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Appd. _____

BBP _____

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