



## Gases Flow Regulating Needle Valves Technical Specifications

### Needle Valve Technical Specification FLOW CONTROL HIC Manufactured UNIVERSAL Brand

Universal Needle Valves ensures easy installation on fluid handling line connections in industrial services such as air flow, gas flow control, water flow, pneumatic valve control, etc used in chemical plants, hydraulics, instrumentations, laboratories, paper mills, process control systems in power plants, refineries, other business industries, in a way, Needle Valve body is made from brass/carbon steel/SS304/SS316, seal material of nitrile/viton/silicon, adjustable knob of aluminum epoxy powder coated with end connections as per requirements, suitable to withstand fluid flow working pressures form 3000psi to 6000psi and temperature upto 250 degree C with proper selection of body and seal materials.

### Needle Valve FORGED STEEL Body Product Specification

- Stainless Steel Valve Bar Stock Body Type.
- Forged Steel Valve Type Body.
- Straight Pattern Regulator Valve (in either metal body).
- Needle Valve Sizes : 1/8" (3mm) to 1"(25mm)
- Angular Pattern Flow Meter Valve (in either metal body).

### Straight and Angular Pattern Gas Regulator Relief Valves



Stainless Steel Needle  
Valve

**End Connections:** Screwed to BSP/BSPT/NPT thread, socket connection, double ferrule tube fitting.

#### Contact For Quote:

HIC INTERNATIONAL CO -Industrial Needle Valve Products Div

D-136, Shankar Road, New Delhi - 110060, India

**Phone:** 91-11-6547 2400, 2874 5120

**Fax:** 91-11-2874 2791

**E-mail :** universal@hic-india.com; belts@universaldelhi.org

**Website :** <http://www.rubber-steel-industrial-products.com>

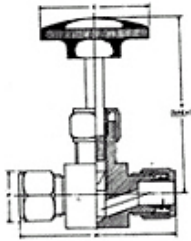
**Key personnel :** Mr. Anil Gupta, President



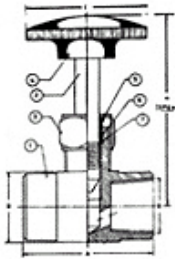
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### Sectional View & Dimension Details:



Sr. No.	DESCRIPTION	QTY
1	VALVE BODY	1 NO.
2	STEM	1 NO.
3	GLAND NUT	1 NO.
4	HANDLE	1 NO.
5	GLAND	1 NO.
6	TEFLON PACKING	1 NO.
7	PACKING WASHER	1 NO.



Low operating torque Stainless steel stems in all valves Rugged body

### Needle Valves Specifications :

Sr. No.	Valve size Z	Drifce in mm	A in mm	B(SQ) in mm	C in mm	H open in mm	A1 in mm	FA/F in mm
1	1/8" NPT	2.35	36	15	28	50	57	11.0
2	1/4" NPT	3.95	44	19	34	55	57	14.2
3	3/8" NPT	5.55	50	25	34	60	65	17.5
4	1/2" NPT	7.95	57	30	55	75	75	22.0
5	3/4" NPT	11.00	68	32	55	85	85	28.0
6	1" NPT	12.70	77	40	70	100	100	38.0



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### Needle Valve Information To Be Supplied With Enquiry or Order

1. Needle Valve type i.e. bar stock body or forged body.
2. Pattern i.e. straight or angle.
3. Size i.e. 1/8" or 1/2" & so on.
4. Body material i.e. brass OR SS304 & so on.
5. Seal Material i.e. nitrile or viton & so on.
6. End connections configuration .
7. Working pressure in psi or kg/cm2.
8. Temperature range.
9. Valve Application.
10. Quantity in nos.



Disclaimer: Information's, written and verbal are provided by HIC, relative to its products which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of UNIVERSAL brand industrial products should determine for itself the suitability of such products.



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