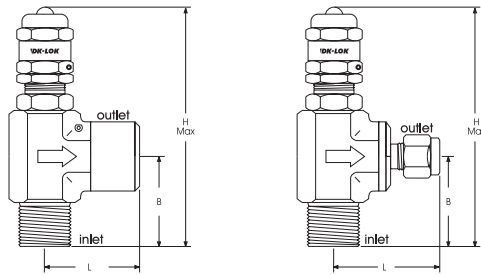




**How To Adjust Valve Cracking Pressure**

The valve user shall set a specific cracking pressure of the valve supplied.

1. To increase the cracking pressure of the valve, turn the adjusting cap clockwise to compress the spring.
2. To reduce the cracking pressure, turn counterclockwise.
3. Start the pump with the spring relaxed (eight threads showing with the Locking Nut at bottom), with the discharging port open, check the gauge pressure as you turn the adjusting cap clockwise to increase the pressure to the desired operating range.
4. If the system has more than one outlet, set the valve pressure with one outlet open, and then check again with all outlets open to make sure that the set pressure is within the desired operating range.
5. Set the Locking Nut and the wire to maintain the set cracking pressure.



**Operation**

- Install the valve between the pump outlet as close as possible, and any shut-off device in the discharge line. The preferable mounting position is vertical with the adjusting cap at the top.
- D-Pro relief valve bypasses the system fluid to prevent instrument or sensitive gauge in the system from excess pressure.
- When the inlet pressure overcomes the set spring pressure on the poppet, the poppet lifts off the valve seat, allowing flow to bypass and thereby balance the system pressure.
- If the valve has not been actuated for a period of time, it may initially crack above the set cracking pressure.
- Cracking pressure is only sensitive to inlet pressure, and is not affected by outlet pressure.
- Cv reduction : Valve flow may be reduced by the restriction of pipe and tubing connected.

**Material of Construction**

Cap Plug	Polypropylene
Adjusting Cap	ASTM A276 / A479 Type 316
Spring	Stainless Steel 302
Locking Nut	ASTM A276 / A479 Type 316
Bonnet	
Poppet	
Stem & O-ring seal	Standard Viton, optional EPDM and Buna N
Body	ASTM A182 F316

**Ordering information and Dimensions**

Basic Ordering Number	End Connections		Orifice mm (in.)	Dimensions mm (in.)			
	Inlet	Outlet		H	B	L	
D-4T-	1/4 DK-Lok		V63 : 4.8 (0.19)	100 (3.93)	37 (1.45)	39 (1.53)	
D-6M-	6 mm DK-Lok				38 (1.49)	40 (1.57)	
D-8M-	8 mm DK-Lok			105 (4.13)	44 (1.73)	42 (1.65)	
D-8T-	1/2 DK-Lok				V66 : 3.4 (0.13)	98 (3.85)	36 (1.41)
D-12M-	12 mm DK-Lok		94 (3.70)	32 (1.25)		30 (1.18)	
MD-8N8T-	1/2 Male NPT	1/2 DK-Lok		35 (1.37)		98 (3.85)	36 (1.41)
MD-8N12M-	1/2 Male NPT	12 mm DK-Lok					
MF-4N-	1/4 Male NPT	1/4 Female NPT	30 (1.18)	94 (3.70)		32 (1.25)	35 (1.37)
MF-4R-	1/4 Male ISO 7/1	1/4 Female ISO 7/1					
MF-6N-	3/8 Male NPT	3/8 Female NPT	30 (1.18)	94 (3.70)		32 (1.25)	35 (1.37)
MF-6R-	3/8 Male ISO 7/1	3/8 Female ISO 7/1					
MF-8N-	1/2 Male NPT	1/2 Female NPT	30 (1.18)	94 (3.70)	32 (1.25)	35 (1.37)	
MF-8R-	1/2 Male ISO 7/1	1/2 Female ISO					



**Model Shown :**  
V66-MF-4N-A

All dimensions shown are for reference only and are subject to change. Dimensions with DK-Lok nuts are in finger-tight position.

**How to order**

Please select the desired valve basic ordering number, the applicable seal, spring designator and CE certified option from the table below.

**Example : V66-D-4T**

Seat Designator	Spring Designator	CE certified
Nil : Standard Viton BN : Buna N EP : EPDM	Refer to Table 1, Table 2 for spring designator	CE : valve to 97/23/EC

**Factory pressure set valve**

To order, specify the set pressure on the valve ordering number.  
Example : V66-D-4T-60BAR or V66-D-4T-870PSI

**Valve without spring installed**

To order, do not specify spring designator on the ordering number.  
Example : V66-D-4T

**Note :** The valve with no spring installed is supplied with the label stated "NO SPRING INSTALLED" on the adjusting cap.

**Spring for field assembly**

To order, select an applicable spring from the spring designator table 1 & 2. Spring kit includes spring, sticker and wire Example : RVS-A

**Safe Valve Selection**

The selection of a valve for any application or system design must be considered to ensure safe performance. Valve function, valve rating, material compatibility, proper installation, operation and maintenance remain the sole responsibility of the system designer and the user. DK-Lok accepts no liability for any improper selection, installation, operation or maintenance.