

MANUAL VALVES

DESCRIPTION

The R-K MOV series valve features a compact plastic valve designed to be used with a minimum of hand, foot or knee pressure. This allows one or both hands to be free to handle the parts. This patented valve is designed so there is no metal contact with the fluid. Automatic fail-safe shut-off, direct acting full flow and top entry for easy maintenance makes this an ideal valve for most manual applications.

The standard valve is normally closed, i.e., push-to-open, release-to-close. It is also available in a normally open configuration upon request.

R-K MOV SERIES

MANUAL OPERATED VALVE



KEY FEATURES

- Minimal effort operation - Requires minimum hand, foot, or knee pressure for activation
- Hands-free capability - Allows one or both hands to be free for other tasks
- No metal-to-fluid contact - Patented design prevents contamination
- Dirt protection - Teflon wiper ring prevents dirt entry through valve top
- Automatic fail-safe shut-off - Built-in safety feature
- Direct acting full flow - Ensures maximum flow capacity
- Top entry design - Easy maintenance access
- Normally closed operation - Push-to-open, release-to-close

VALVE BODY MATERIALS:

- Type 1 – Grade 1 PVC
- Natural Polypropylene (PP)
- PVDF (Polyvinylidene Fluoride)
- Teflon

SEAL

- EPDM,
- VITON,
- KALREZ.

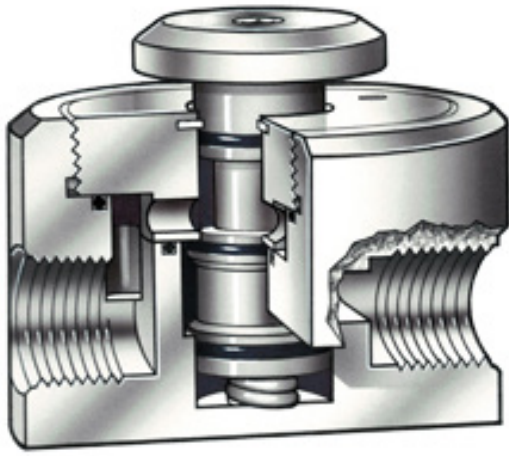
SIZES & PORTING

Valve Sizes: ¼", ½", ¾", 1", 1.5", 2"

Port Types:

¼" to 1" Valve FNPT,
1.5" to 2" Valve MPT
(all fully ported).

Mounting: (4) ¼" -20 tapped holes for standard machined valve body (¼" to 1.0")



PATENT NO: 4,267,861

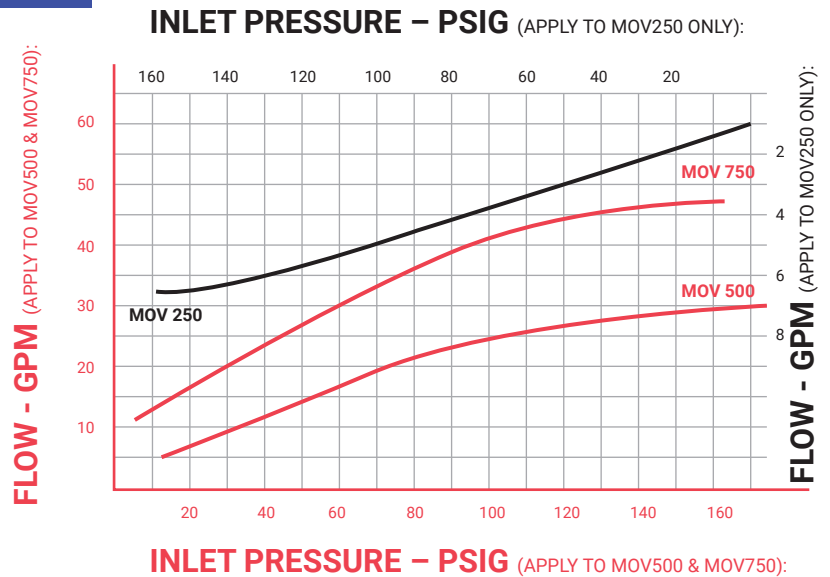
PRESSURE & TEMPERATURE RATINGS:

Upstream Pressure:
Vacuum to 150 PSIG.

Temperature Range

- 0°F to 140°F for PVC
- 0°F to 180°F for POLYPRO
- 0°F to 260°F for PVDF
- 0°F to 340°F for Teflon

ENGINEERING & PERFORMANCE DATA



The chart below will specify R - K standard valves regarding valve size, valve material, and seal material.
For special orders, please consult the factory for pricing and delivery information.

MOV - X X X - X

VALVE SIZE

- 25 = 1/4"
- 50 = 1/2"
- 75 = 3/4"
- 100 = 1.0"
- 150 = 1.5"
- 200 = 2.0"

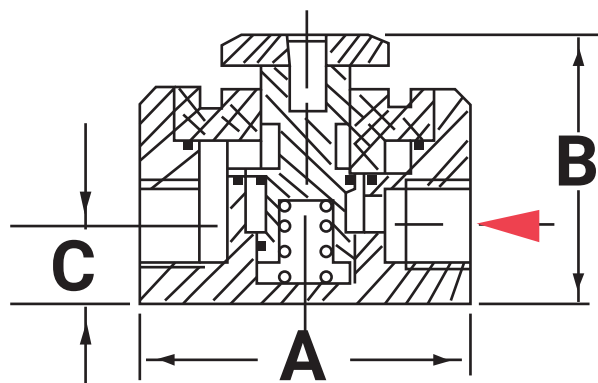
MATERIAL

- 1 = PVC
- 2 = POLYPRO
- 3 = PVDF
- 4 = TEFLON
- 5 = OTHER (Please specify)

SEALS

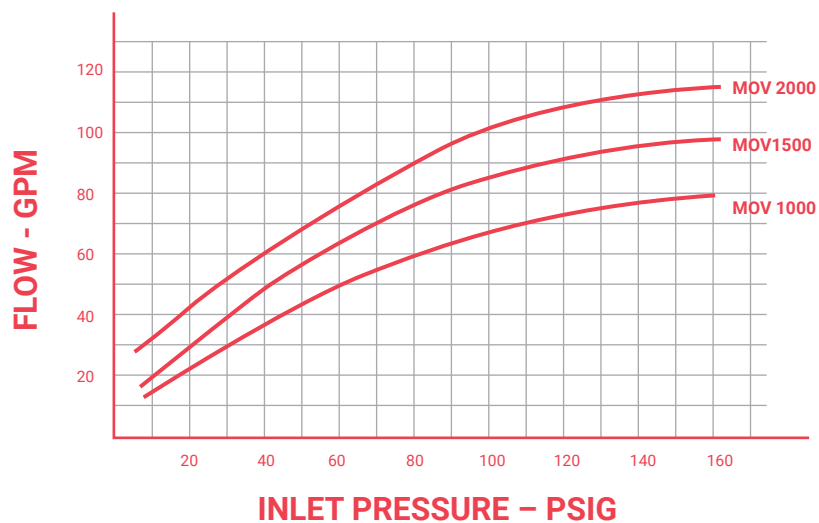
- E = EPDM
- V = VITON
- K = KALREZ
- O = OTHER (Please specify)

ENGINEERING & PERFORMANCE DATA



NOTES

- Test data was performed with 68°F water, and 150 PSIG maximum pressure.
- These performance curves will be changed with higher or lower PSIG and or hotter temperature.
- Consult your local sales rep or hayward industries corp for chemical compatibility for your applications.



DIMENSIONAL DATA

DIMENSIONS IN INCHES

Valve Size	Ports	A	B	C	Cv
1/4"	FNPT	2	1.8	0.5	0.58
1/2"	FNPT	3	2.5	0.7	2.84
3/4"	FNPT	3.5	3	0.9	4.14
1"	FNPT	4	3.5	1.1	5.86
1.5"	MPT	5	4.7	1.5	16.7*
2.0"	MPT	6	5.5	1.7	22.3*

(*) Cv value @ 150 GPM