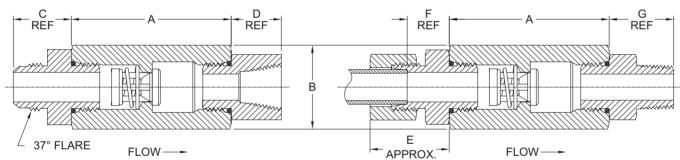


The **Mini-Check (M1 - M8)** is a check valve designed for minimum pressure drop. The three-piece construction permits many combinations of end fittings, which makes the valve adaptable for nearly every application. The Mini-Check is available with 1/8, 1/4, and 3/8 inch pipe threads, both male and female. It can also be supplied with a 1/8, 1/4, or 3/8 inch **tubing end** on one side and with a **pipe thread end** on the other. **Combinations** of male and female threads are also available. The Mini-Check can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.

NOTE: Many valves in this series can be supplied with B16.34 certification. Consult the factory for more information.

NOTE: When ordering styles M5 through M8 be sure to specify whether compression (-C) or 37° flare (-F).

- M1 Male pipe threads both ends.
- M2 Female pipe threads both ends.
- M3 Male pipe inlet female pipe outlet.
- M4 Female pipe inlet male pipe outlet.
- M5 Male pipe inlet tubing outlet.
- M6 Female pipe inlet tubing outlet.
- M7 Tubing inlet male pipe outlet.
- $\ensuremath{\mathsf{M8}}\xspace \ensuremath{\mathsf{Tubing}}\xspace$ inlet female pipe outlet.



FLARE FLOW			APPROX.			FLOW —			
Nom. Pipe & Tube Size		A	Hex Size B	с	D	E	F	G	Orifice Diameter
1/8	A	2.16	7/8	0.75	0.71	0.93	0.11	0.73	0.348
1/4	В	2 16	7/8	0.92	0.84	1.23	0.57	0.98	0.348

0.92

• May be larger and/or round.

С

3/8

Body Material 🛛	Non-Shock Pressure-Temp. Rating @ 100° F Consult factory for P-T rating above 100° F			
316 Stainless Steel (SS)	E000 DEIC (1E00 for a ring ageta)			
Carbon Steel (CS)	5000 PSIG (1500 for o-ring seats)			
Brass (BR)	3000 PSIG (1500 for o-ring seats)			

0.91

1.32

2 See page 58 for material grade information.

1-1/8

CHECK-ALL VALVE® MFG. CO.

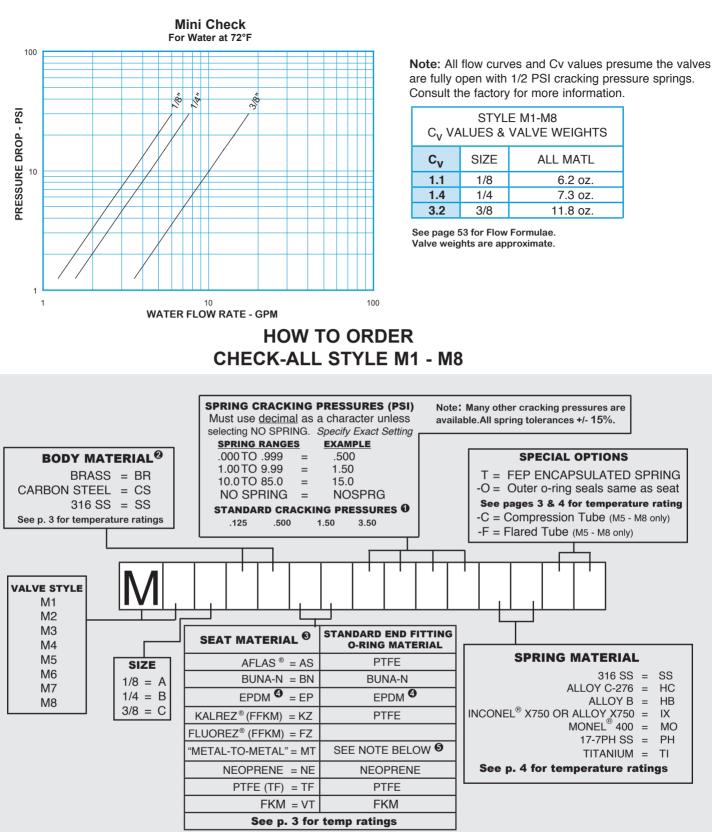
2.48

Phone: 515-224-2301 Fax: 515-224-2326

0.59

1.03

0.464



Listed above are the most common material selections. Please contact the factory for additional options.

- .500 PSI is the only standard cracking pressure for spring materials other than Stainless Steel. 0.125 PSI springs are not recommended for installations with flow vertical down.
- **2** Brass valves have plated Carbon Steel tube fittings if applicable. Consult factory if other fitting materials are desired.
- Seat materials other than "metal-to-metal" have a maximum pressure rating of 1500 PSI. "Metal-to-Metal" and PTFE seats are not resilient. See page 54 for allowable leakage rates.
- **O** EP seats not recommended for use with Carbon Steel valves.
- Fitting o-rings are the same as the seat for standard seat materials. For "metal-to-metal" seated valves, end fitting o-rings are Buna-N for brass and carbon steel valves and FKM for stainless steel valves.

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