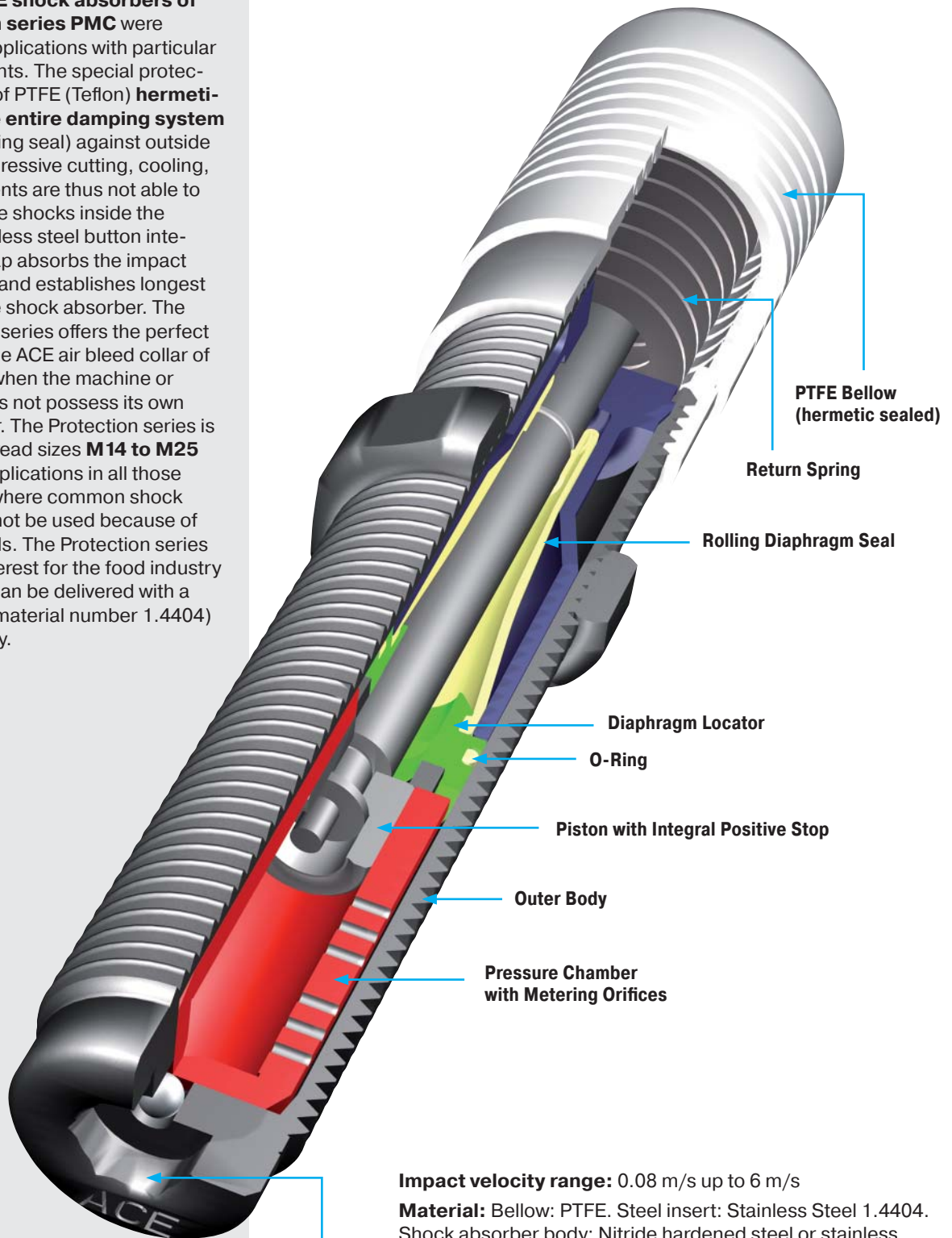


These new ACE shock absorbers of the Protection series PMC were designed for applications with particular fluid requirements. The special protective cap made of PTFE (Teflon) hermetically seals the entire damping system (the proven rolling seal) against outside influences. Aggressive cutting, cooling, or cleaning agents are thus not able to contaminate the shocks inside the system. A stainless steel button integrated in the cap absorbs the impact energy reliably and establishes longest lifetimes for the shock absorber. The new Protection series offers the perfect alternative to the ACE air bleed collar of the SP series, when the machine or equipment does not possess its own compressed air. The Protection series is available for thread sizes **M14 to M25** and can find applications in all those environments where common shock absorbers cannot be used because of aggressive fluids. The Protection series is of special interest for the food industry as the shocks can be delivered with a V4A stainless (material number 1.4404) steel outer body.



Internal Hex Socket

**Impact velocity range:** 0.08 m/s up to 6 m/s

**Material:** Bellow: PTFE. Steel insert: Stainless Steel 1.4404. Shock absorber body: Nitride hardened steel or stainless steel 1.4404.

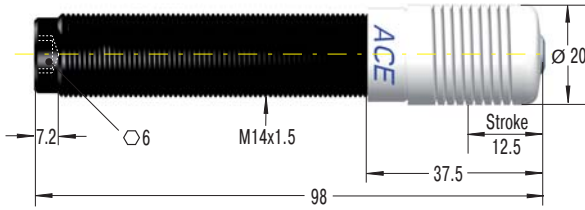
**Note:** Final preliminary test must be done on the application.

**Mounting:** In any position

**Operating temperature range:** 0 °C to 66 °C



### PMC150EUM

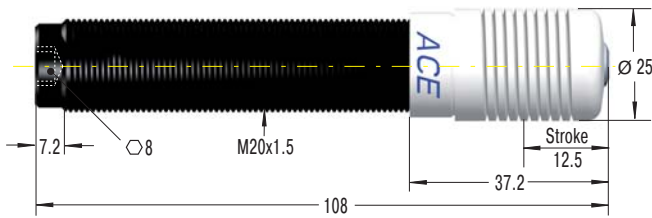


### PMC150EUM-V4A



Dimensions as PMC150EUM

### PMC225EUM

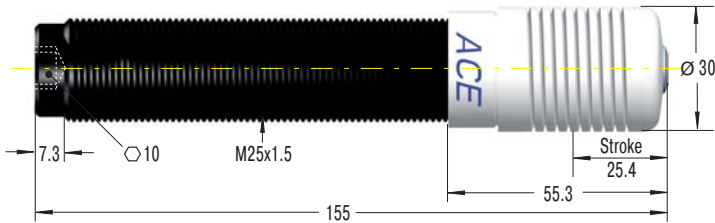


### PMC225EUM-V4A



Dimensions as PMC225EUM

### PMC600EUM



### PMC600EUM-V4A



Dimensions as PMC600EUM

## Capacity Chart

| Type<br>Part Number | Max. Energy Capacity       |                        | Effective Weight me                |               | Min.<br>Return Force<br>N | Max.<br>Return Force<br>N | Rod Reset<br>Time<br>s | Max. Side Load<br>Angle<br>° | Weight<br>kg |
|---------------------|----------------------------|------------------------|------------------------------------|---------------|---------------------------|---------------------------|------------------------|------------------------------|--------------|
|                     | W <sub>3</sub><br>Nm/Cycle | W <sub>4</sub><br>Nm/h | Self-Compensating<br>me min.<br>kg | me max.<br>kg |                           |                           |                        |                              |              |
| PMC150EUM           | 20                         | 34 000                 | 0.9                                | 10            | 5                         | 60                        | 0.4                    | 4                            | 0.06         |
| PMC150EUMH          | 20                         | 34 000                 | 8.6                                | 86            | 5                         | 60                        | 0.4                    | 4                            | 0.06         |
| PMC150EUMH2         | 20                         | 34 000                 | 70                                 | 200           | 5                         | 60                        | 0.4                    | 4                            | 0.06         |
| PMC150EUMH3         | 20                         | 34 000                 | 181                                | 408           | 5                         | 60                        | 1                      | 4                            | 0.06         |
| PMC225EUM           | 41                         | 45 000                 | 2.3                                | 25            | 5                         | 65                        | 0.3                    | 4                            | 0.15         |
| PMC225EUMH          | 41                         | 45 000                 | 23                                 | 230           | 5                         | 65                        | 0.3                    | 4                            | 0.15         |
| PMC225EUMH2         | 41                         | 45 000                 | 180                                | 910           | 5                         | 65                        | 0.3                    | 4                            | 0.15         |
| PMC225EUMH3         | 41                         | 45 000                 | 816                                | 1 814         | 5                         | 65                        | 0.3                    | 4                            | 0.15         |
| PMC600EUM           | 136                        | 68 000                 | 9                                  | 136           | 5                         | 85                        | 0.6                    | 2                            | 0.30         |
| PMC600EUMH          | 136                        | 68 000                 | 113                                | 1 130         | 5                         | 85                        | 0.6                    | 2                            | 0.30         |
| PMC600EUMH2         | 136                        | 68 000                 | 400                                | 2 300         | 5                         | 85                        | 0.6                    | 2                            | 0.30         |
| PMC600EUMH3         | 136                        | 68 000                 | 2 177                              | 4 536         | 5                         | 85                        | 0.6                    | 2                            | 0.30         |

### Type V4A

|                 |     |        |       |       |   |    |     |   |      |
|-----------------|-----|--------|-------|-------|---|----|-----|---|------|
| PMC150EUM-V4A   | 20  | 34 000 | 0.9   | 10    | 5 | 60 | 0.4 | 4 | 0.06 |
| PMC150EUMH-V4A  | 20  | 34 000 | 8.6   | 86    | 5 | 60 | 0.4 | 4 | 0.06 |
| PMC150EUMH2-V4A | 20  | 34 000 | 70    | 200   | 5 | 60 | 0.4 | 4 | 0.06 |
| PMC150EUMH3-V4A | 20  | 34 000 | 181   | 408   | 5 | 60 | 1   | 4 | 0.06 |
| PMC225EUM-V4A   | 41  | 45 000 | 2.3   | 25    | 5 | 65 | 0.3 | 4 | 0.15 |
| PMC225EUMH-V4A  | 41  | 45 000 | 23    | 230   | 5 | 65 | 0.3 | 4 | 0.15 |
| PMC225EUMH2-V4A | 41  | 45 000 | 180   | 910   | 5 | 65 | 0.3 | 4 | 0.15 |
| PMC225EUMH3-V4A | 41  | 45 000 | 816   | 1 814 | 5 | 65 | 0.3 | 4 | 0.15 |
| PMC600EUM-V4A   | 136 | 68 000 | 9     | 136   | 5 | 85 | 0.6 | 2 | 0.30 |
| PMC600EUMH-V4A  | 136 | 68 000 | 113   | 1 130 | 5 | 85 | 0.6 | 2 | 0.30 |
| PMC600EUMH2-V4A | 136 | 68 000 | 400   | 2 300 | 5 | 85 | 0.6 | 2 | 0.30 |
| PMC600EUMH3-V4A | 136 | 68 000 | 2 177 | 4 536 | 5 | 85 | 0.6 | 2 | 0.30 |