



## PRE-ADJUSTABLE PRESSURE REDUCING VALVES

**CALEFFI**  
Hydronic Solutions



Plumbing

Controlling and protecting your water



ASSE 1003

NSF 61

## FUNCTIONS AND FEATURES

- Adjustable pressure reducing valves reduce and stabilize water supply main pressure which, in general, is too high and variable for domestic systems to operate correctly.
- Replaceable cartridge containing diaphragm, filter, and low-friction, anti-scaling seat, shuttle and pressure-balancing piston for inspection and periodic cleaning and maintenance.
- Adjustment knob PSI indicator scale is visible on both sides. Operating knob pre-sets the desired value before installation includes a locking screw to minimize tampering.
- High temperature rating 180°F (80°C) and high pressure rating 300 psi (20 bar) with optional pressure gauge. Connection types include Sweat, Press and NPT.
- Unique noise reducing pressure-balanced cartridge for control stability and high flow seat design with reduced fall-off pressure for increased downstream flow to fixtures.
- Certified to ASSE 1003, CSA B356, NSF61, NSF 372, low lead laws. Meets codes IPC, IRC and UPC for use in accordance with US and Canadian plumbing codes.

## PRODUCT RANGE



without gauge



with gauge



| SIZE   | NPTF            | SWEAT           |
|--------|-----------------|-----------------|
| 1/2"   | <b>535340HA</b> | <b>535940HA</b> |
| 3/4"   | <b>535350HA</b> | <b>535950HA</b> |
| 1"     | <b>535360HA</b> | <b>535960HA</b> |
| 1 1/4" | <b>535370HA</b> | <b>535970HA</b> |
| 1 1/2" | <b>535380HA</b> | <b>535980HA</b> |
| 2"     | <b>535390HA</b> | <b>535990HA</b> |

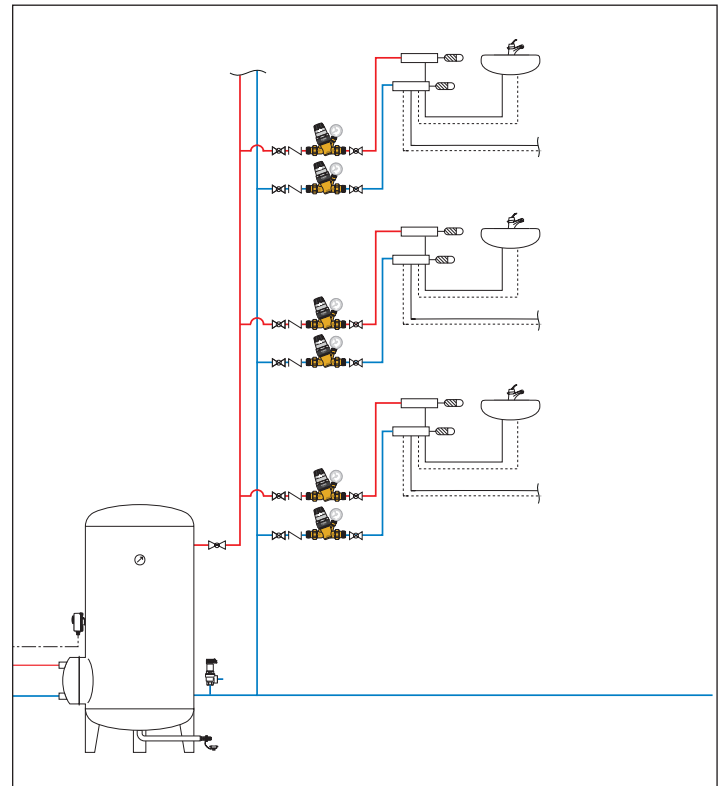
| SIZE   | NPTF            | SWEAT           |
|--------|-----------------|-----------------|
| 1/2"   | <b>535341HA</b> | <b>535941HA</b> |
| 3/4"   | <b>535351HA</b> | <b>535951HA</b> |
| 1"     | <b>535361HA</b> | <b>535961HA</b> |
| 1 1/4" | <b>535371HA</b> | <b>535971HA</b> |
| 1 1/2" | <b>535381HA</b> | <b>535981HA</b> |
| 2"     | <b>535391HA</b> | <b>535991HA</b> |

| CODE            | PRESS CONNECTIONS    |
|-----------------|----------------------|
| <b>535650HA</b> | 3/4" (without gauge) |
| <b>535651HA</b> | 3/4" (with gauge)    |

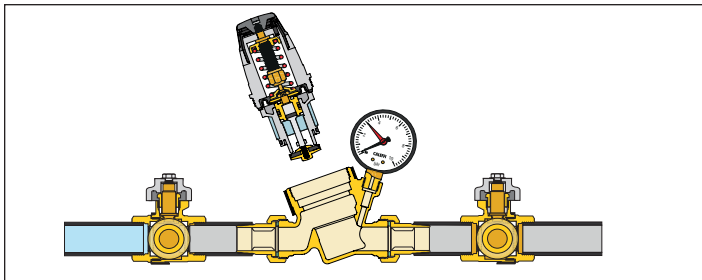
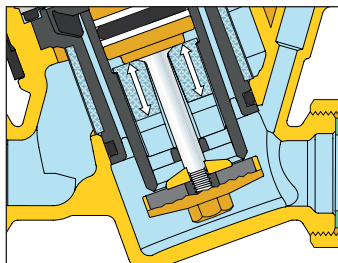
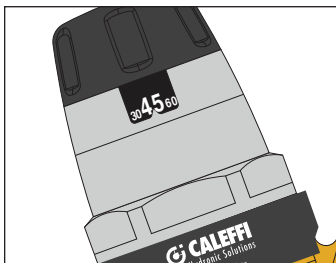
## TECHNICAL SPECIFICATIONS

|   |                                       |
|---|---------------------------------------|
| <b>BODY</b>                                     | DZR Low lead brass<br>EN 12165 CW724R |
| <b>MAX. WORKING PRESSURE</b>                    | 300 PSI (20 bar)                      |
| <b>DOWNSTREAM PRESSURE<br/>ADJUSTMENT RANGE</b> | 15 – 90 PSI (1 – 6 bar)               |
| <b>FACTORY SETTING</b>                          | 45 PSI (3 bar)                        |
| <b>MAX. WORKING TEMPERATURE</b>                 | 180°F (80°C)                          |
| <b>MEDIUM</b>                                   | water                                 |

## APPLICATION DIAGRAM



## CONSTRUCTION



## REFERENCE DOCUMENTS:

535H series - Technical brochure 01265



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