

### Cartridge Style Pressure Reducing Valve

Taco's cartridge style pressure reducing valve sets a new standard for performance and serviceability. All the parts are contained in a one piece cartridge which can be easily removed and serviced without reducing the system pressure. A fast-fill mode that automatically returns to the normal mode when the set pressure is reached and delivers increased flow to speed system fill times. Its unique dial-in pressure setting allows for easy adjustment throughout the 10-50 psi range, without the need for an external gauge. Now available with 1/2" union press connection.



*Convenient one-piece cartridge*



# Submittal Data Information Cartridge Style Pressure Reducing Valve

Submittal Data # 101-070  
Supersedes: 07/06/17

Effective: 01/13/22

## Features

Automatic Pressure  
Reset from Fast Fill  
  
Easy External Dial-up  
Pressure Setting  
  
Set Pressure Indicator  
  
Simple serviceability with the  
unique one piece cartridge  
  
Internal check allows the  
cartridge to be replaced  
without draining the system  
  
Integral Strainer  
  
ASSE 1003

## Product Specifications

Max. Inlet Pressure.....150 psi  
Adjustment Range.....10 – 50 psi  
Max. Temp.....210°F  
Factory Setting .....12 psi  
Media.....Water

## Materials of Construction

Body .....Forged Brass  
Cartridge.....Wetted Parts  
Stainless Steel,  
Engineered Plastics,  
Bronze, EPDM Seals

Model Number	Description
3350	1/2"NPT x 1/2"Union Sweat
3350-H	1/2"NPT x 1/2"Union Press
3350-T	1/2"NPT x 1/2"NPT

## Purpose

The 3350 valve is used to auto-  
matically feed water to a hydronic  
system whenever pressure in the  
system drops below the pressure  
setting of the valve.

## Operation

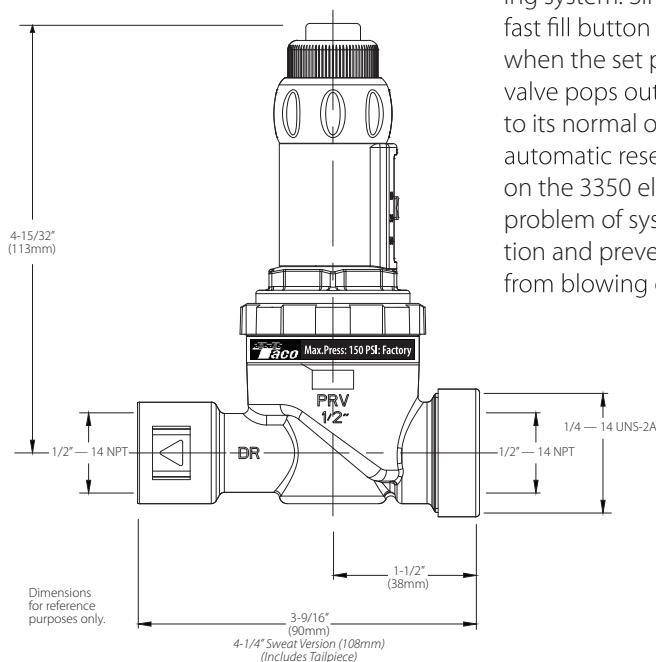
The cartridge style design ensures  
unsurpassed output pressure stabil-  
ity. A balance between diaphragm  
position and spring tension based  
on the desired outlet pressure is  
consistently maintained, even when  
inlet pressures fluctuate severely.  
The unique one-piece cartridge  
design significantly reduces dia-  
phragm load, extending the overall  
product life. Unlike conventional  
PRV designs, the diaphragm does  
not double as a seal between the  
body and the cap.

This allows for optimization of the  
diaphragm for its intended use -  
maintaining pressure stability.

A unique encapsulated shaft seal  
system prevents flowing media from  
contacting the diaphragm, greatly  
extending diaphragm life. If the  
diaphragm ever does fail, the encap-  
sulated shaft and body seals work  
together to stop water from exiting  
the valve. Use of a stainless steel  
coaxial strainer prohibits system  
debris from affecting the valves'  
performance. An integral check  
valve allows the cartridge to be  
removed under system pressure for  
replacement or servicing.

## Fast Fill

The 3350 provides an efficient and  
simple solution to filling your heat-  
ing system. Simply push down the  
fast fill button on top of the PRV and  
when the set pressure is reached the  
valve pops out of fast fill and returns  
to its normal operating mode. This  
automatic reset feature of the fast fill  
on the 3350 eliminates the common  
problem of system over pressuriza-  
tion and prevents the relief valve  
from blowing off.



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