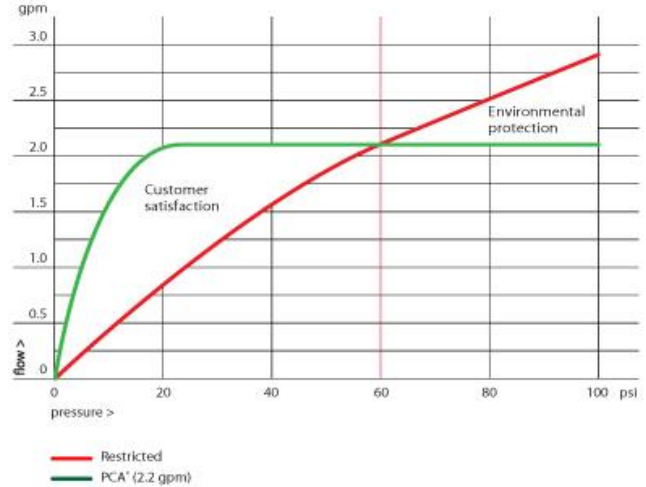


Pressure Compensating Aerators

Flow Restricted Aerators

The most common option is a fixed orifice designed to allow a predetermined flow at a specified pressure (e.g. 60 psi for the US standard). By construction, restricted devices provide low flow at low pressure and excess flow at high pressure.



Pressure Compensating Aerators

The pressure compensating flow regulator produces – by means of the o-ring – a constant flow rate regardless of pressure fluctuations.

Static conditions (no flow):

The o-ring is relaxed (position 1).

Dynamic conditions (flow):

The o-ring subjected to the line pressure is compressed into the seating area which reduces the water passage (position 2). As the pressure increases the o-ring is compressed further into the seating area and reduces the water passage further (position 3). As the pressure decreases the o-ring relaxes and reopens the water passage (return to position 2 and 1).



no pressure
(position 1)



normal pressure
(position 2)



high pressure
(position 3)

