

## **Fig No CC4HST**

A pre-assembled unit specifically designed for direct mounting onto terminal units with 40mm centres. Comprising a Monobloc flushing bypass with 3 way ball valves and test points, a strainer and a drain off valve on the flow side and a PIBCV pressure independent balancing control valve on the return side and an orifice plate. The PIBCV shall be pressure independent and fitted with an on/off or modulating actuator with a M28 x 1.5 mounting thread and 4mm stroke. Any modulating actuator should have proportion stroke recognition. The low flow version shall be specifically designed to regulate ultra-low flow rates down to 0.003 l/s. The valve should maintain the flow at the desired flow rate as the diaphragm responds to the pressure upstream and downstream of the balancing valve (via an internal impulse line). The maximum volume flow should be set according to the flow charts by means of a key and can be reset at any time if required. The orifice plate facilitates flow verification. The unit must be configured to allow forward & reverse flushing. The unit should be able to be configured for horizontal pipework from the terminal unit and be handed if required. Rated PN16. The valve manufacturer shall provide a five year fully comprehensive warranty, covering parts, labour and consequential loss.