These instructions cover the general notes for the following Z9701P/Z9701PF & Z9801P/Z9801PF 80mm Series units:

- Flow management system for fan coil units.
- Combines essential control components and connecting pipework into one compact, fully assembled unit ready to connect.
- The 80mm Dominator Peak Pro is compact and ultra lightweight.
- The bypass valve unit comprises two 3 Way Ball valves.
- Includes the Peak Pro (Pressure Independent Control Valve) for optimum flow control.
- The strainer unit has an integral filter and pressure test point, plus drain cock/vent facility.
INSTALLATION

The valve may be installed directly or remotely to a load (typically a Fan Coil Unit). The direction of flow should be such that the PICV is on the return from the load.

**Temperature Range:** -10 to 120°C | Pressure rating: PN16

PREPARATION/FITTING

**Steel tube:** Cut square and de-burr internally and externally, thread to BS EN 10226-2 and fit to Dominator using PTFE tape to BS7786:2006 or other recommended jointing compound. Other types of piping system can be used providing a suitable adaptor with a threaded end is utilised.

Whilst fitting pipe and/or adaptors it is important that the wrench is positioned close to the joint to be assembled, in order to avoid damaging the valve.

The Dominator Peak Pro shall be supported using proprietary mounting brackets or other suitable devices. This enables the pipework to be well supported and avoids undue strain on the joints of the Dominator Peak Pro.

OPERATION: BYPASS VALVE

The mode of operation has four primary modes of operation. it is factory set in Isolation / Flushing bypass mode. The mode of operation can be changed by operation of the ‘T’ balls as indicated in Figure 2.

ORIENTATION & HANDING

The Dominator has two unions fitted to allow for orientation and handing of the PICV, Strainer and Bypass valve.

MAINTENANCE

This valve is intended for group 2 liquids only, as defined by the pressure Equipment Directive 2014/68/EU.

For further assistance please call our technical helpline on +44 (0) 1473 277400 or email us at: enquireies@cranefs.com

Following a policy of continuous improvement, Crane Fluid Systems reserves the right to alter specifications shown in this document and the e-catalogue without prior notice.
MODES OF OPERATION

ISOLATION AND FLUSHING BYPASS

BACK FLUSHING

NORMAL OPERATION

FORWARD FLUSHING
SYSTEM COMPONENTS

For detailed installation, operating and maintenance instructions for the system components that combine to make up the Z9701P/Z9701PF & Z9801P/Z9801PF Series Dominator Peak Pro, please see the relevant sections of our website as below:

D995 PEAK PRO PICV

D901/D902 METERING STATION

D299P STRAINER DRAIN

D342 DRAIN

For information on all other components and additional configurations please contact the Crane Technical Support Desk at: tech-enquiries@technicalbsu.com