



Intelligent Pressure Reducing Valve System (iPRV)

SOLUTION OUTLINE



JSA Sales Inc.

Powered by **reed**

Solution Overview



Applications

Domestic hot and cold-water systems in commercial and multi-unit residential buildings.

Description

Factory assembled, pressure tested and pre-commissioned iPRV station provides time and money saving features while also ensuring that buildings operate within the correct engineering parameters. Real-time monitoring and control of pressure, flow, velocity and temperature parameters ensures optimized domestic plumbing performance throughout the building. As a result, piping, equipment and fixtures will last longer and will require less maintenance and repair.

Configuration

Up to 8 pressure reducing valves in one station. Catalogue-based pre-engineered solutions or designed to customer specification. Integrated reed water management system with optional BMS/BAS integration.

Features & Benefits

THE VALUE

Simplified mechanical room design through drag and drop of 3D and CAD models

Modular construction approach offering greater design flexibility

Fast and easy installation

Energy savings

Confidence in system design and manufacturing quality

3 years warranty

THE RESULT

20% faster design • Savings on design time and component selections

Project risk reduced by 30%

Lowest installed cost

Lowest life cost

Reduced risk with ensured quality and performance

Peace of mind: assurance that any needed repairs will be covered

CONSTRUCTION DETAILS

3" SS Butterfly
Valve

1-1/2" SS
Ball Valve

Flow Meter

CBV

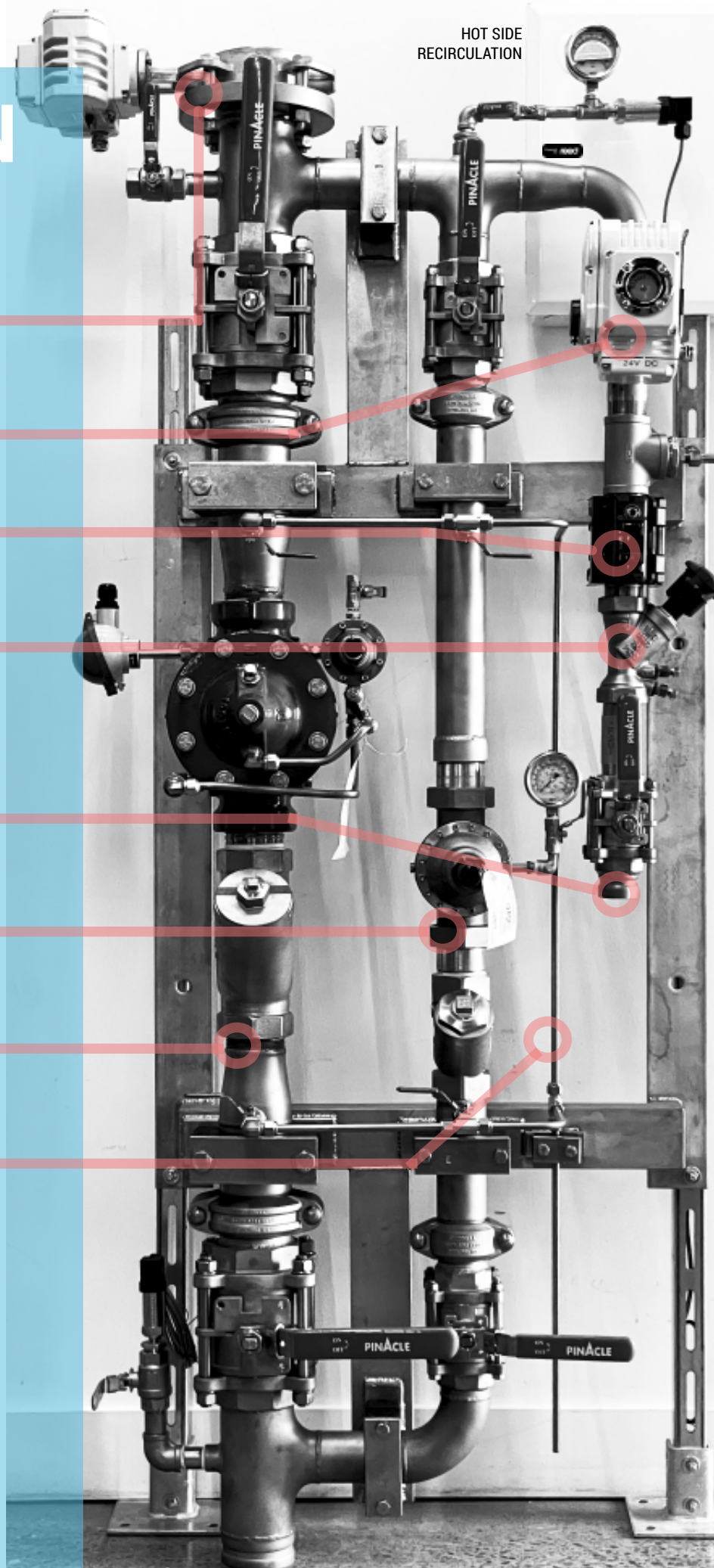
Placeholder
for Circulator
Pump

Direct-Acting
PRV

Threaded
Y-Strainer

Test ports
with common
drain

HOT SIDE
RECIRCULATION





COLD SIDE

KEY FEATURES

**Factory-designed, built,
and tested assembly**

**Elimination of housekeeping
pads, flex connectors and
superfluous piping**

**Single-source
responsibility for enhanced
project and product
support.**

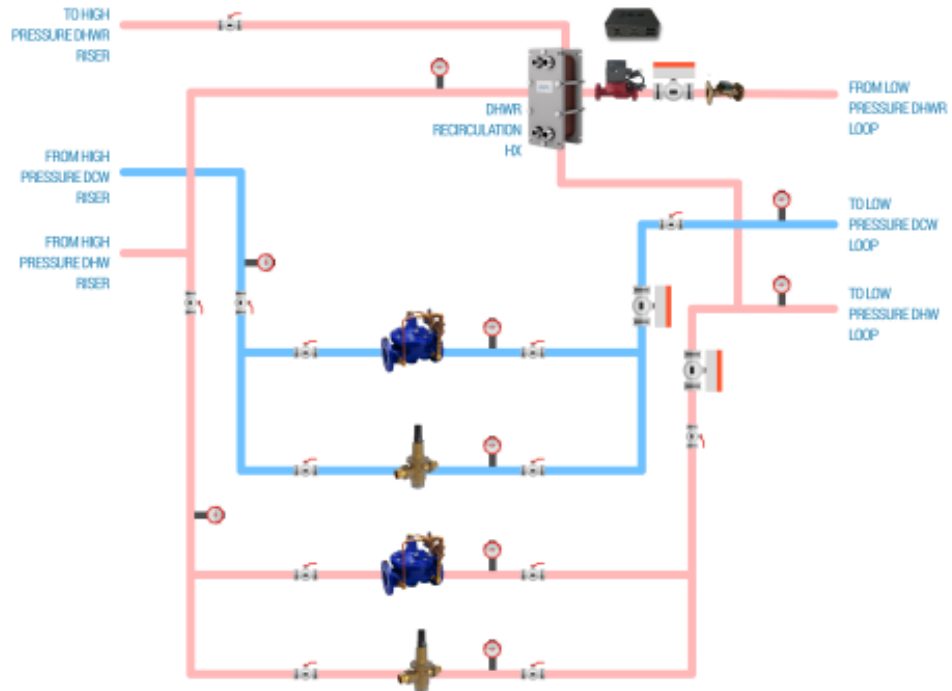
**Integral leak detection and
flood mitigation with actuated
shutoff valves**

**Delivery to site as a
single, complete unit**

Function

The Intelligent Pressure Reducing Control Valve station will automatically throttle to reduce a higher incoming pressure and maintain an accurate and constant lower downstream pressure, regardless of changing flow rate and/or inlet pressure.

The station will monitor and record incoming and outgoing pressures, hot and cold supply and return/recirculation temperatures and flow (velocity) is measured on the hot return/recirculation lines. Two actuated valves are supplied on the main hot and cold supply lines to the station and can be closed remotely to isolate a zone. A modulating control valve is installed on the hot water recirculation to ensure the flow is kept at the specified parameters.



Intelligent control & analytics on the cloud dashboard for simple real-time maintenance of system conditions.



Select & configure

Use Cla-Reg, Cla-Val's selection tool, to quickly and easily select the equipment you require.

Let us help

Ready to purchase?
Need some help or have questions?
Contact us today.



Devine & Associates

Head Office

1 Valleywood Dr. Suite 101
Markham, ON
L3R 5L9

Tel: 905-479-2130

Fax: 905-479-9870

Toll Free: 1-877-427-9491

sales@devineassoc.com

London

Tel: 519-476-2175

Sudbury

Tel: 705-919-2279

Ottawa

Tel: 613-446-7757



JSA Sales Inc.

