SINGER®
a MUELLER brand

Pressure Management Valves

Technical Guide W4.65

The Singer 106-2PR-630 and 206-2PR-630 Pressure Management Valve is configured to save water loss and money. It meets system needs by providing higher pressure when called for 24/7 and reduced pressure to save water leakage (and money) at all other times.

Applications

- Pressure Control
- Potable water
- Municipal
- Mining Applications
- Irrigation Applications

Product Attributes

- Substantially reduces water loss (non-revenue water) due to leakage
- Decreases downstream pipe bursts and associated repair costs
- Allows constant reliable pressure to users, minimising over pressure at off peak (flow) periods

Approvals/Standards

- AS 5081:2008
- Flanges to AS/NZS 4087 Fig. B5
- Coating complies with AS/NZS 4158

WaterMark ***Licence Number:*** *WMK/SMK26726*

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

HYNDSwater

KEY FEATURES

- Valve switches between high and low pressure pilots based on flow rate.
- Pressure reducing pilots independently adjustable to suit the desired downstream pressure.
- Orifice is upstream of control valve so downstream pressure setting is unaffected by flow.
- Standard components completely submersible - no electrical power required.
- Simple field retrofit is possible using the paddle style orifice plate.

SELECTION SUMMARY

1. Sizes: 100 - 300mm. For other sizes please consult Hynds Water.
2. Pressures: Minimum of 2 Bar at valve inlet. Consult with Hynds Water for lower pressure applications.
3. Differential required across Orifice plate: 0.1 – 0.14 Bar.
4. Fire Flow: If fire flow is greater than twice the normal high flow rate set point, please consult Hynds Water.

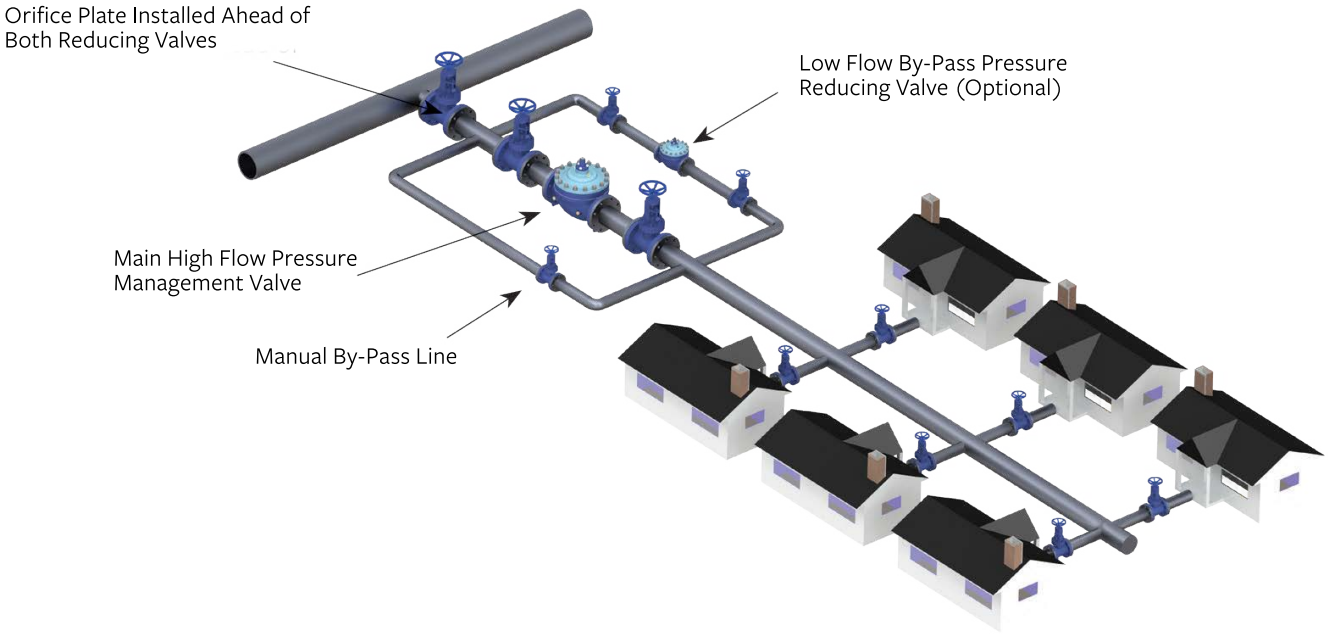
ORDERING INSTRUCTIONS

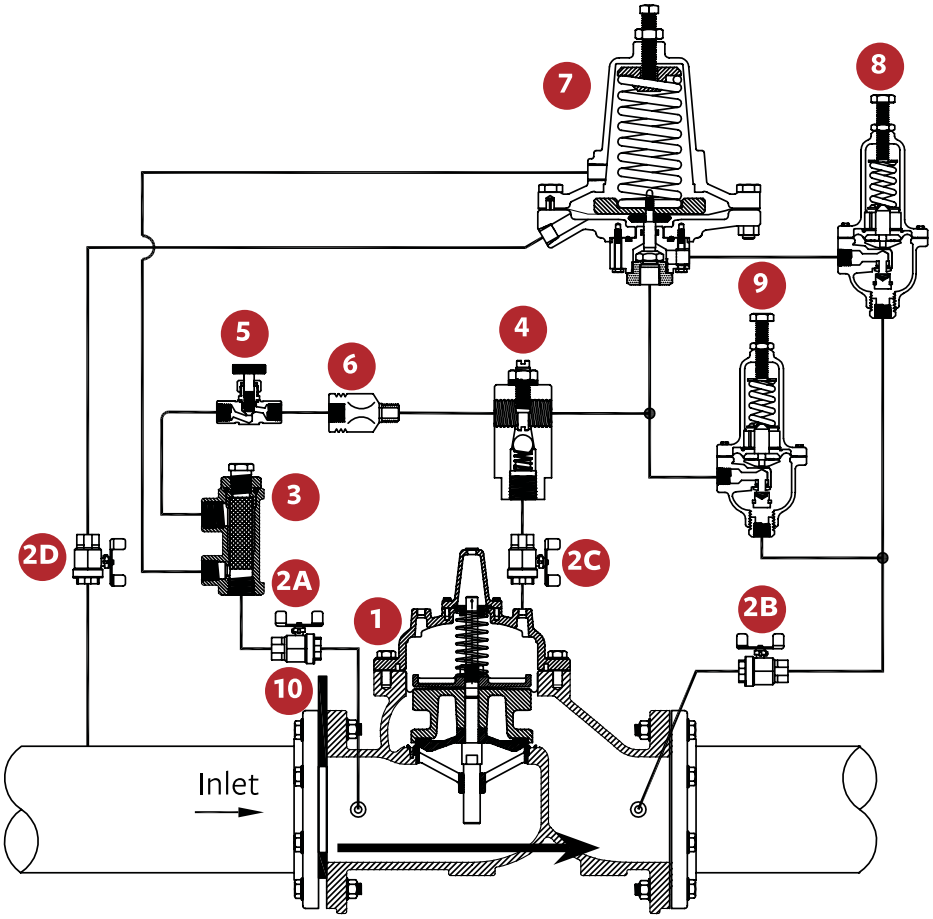
Refer to the order form and ordering instructions.

Additionally, include the following information for this product:

1. Single Chamber (106), (206), or (306)
2. Pilot Range

TYPICAL APPLICATION





SCHEMATIC A-10496A2

SCHEMATIC DRAWING

1. Main Valve – 106-PG, 206-PG, or 306-PG
2. Isolation Valve
3. Strainer – 40 Mesh
4. Model 26 Flow Stabiliser/Opening Speed Control
5. Closing Speed Control
6. Fixed Restriction
7. Differential Pilot – Normal Closed – Model 630-RPD
8. Pressure Reducing Pilot – Model 160 Higher Setting
9. Pressure Reducing Pilot – Model 160 Lower Setting
10. Orifice Plate – Paddle style standard – Optional with Housing

Branches Nationwide *Support Office & Technical Services 0800 93 7473*