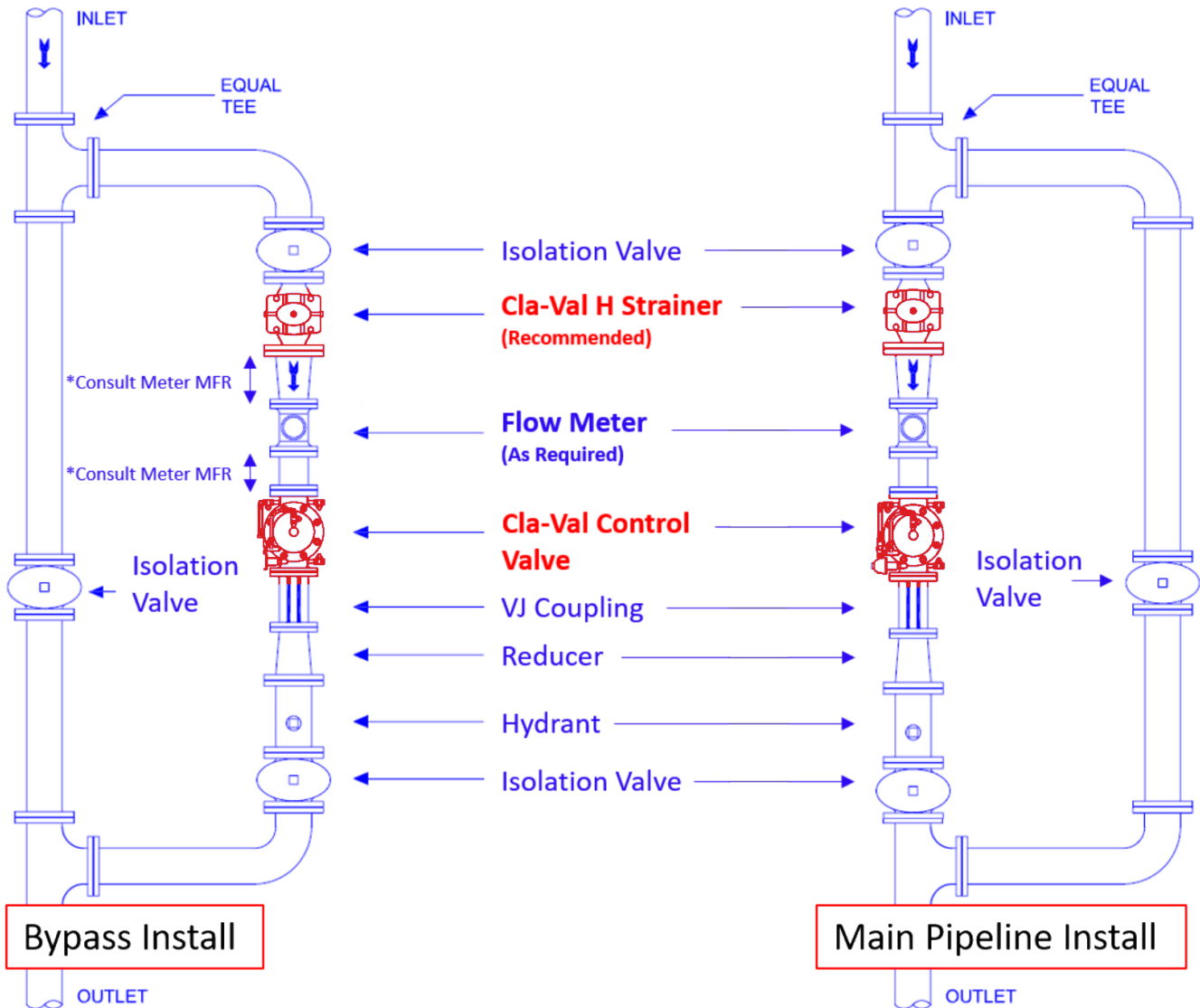


H-STRAINER & PRV INSTALLATION

Engineering arrangements and design considerations



* Follow Flow Meter Supplier Guidance on distances between Control Valve & H Strainer

INSTALLATION DESIGN CONSIDERATIONS

01 Tee connections

Use appropriately sized tees; check local losses and available pressure.

02 Reducers and straight lengths

Check reducer position and manufacturer straight-pipe requirements.

03 Flow meter

Provide straight lengths to meter supplier guidance.

04 Debris protection

Fit an H-strainer upstream of the PRV; provide isolation and service access.

05 Burial depth

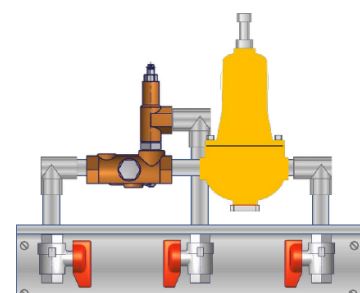
Provide frost protection and suitable drainage / chamber access.

06 Hydraulic losses – If installing on bypass and using 90-01/LHL

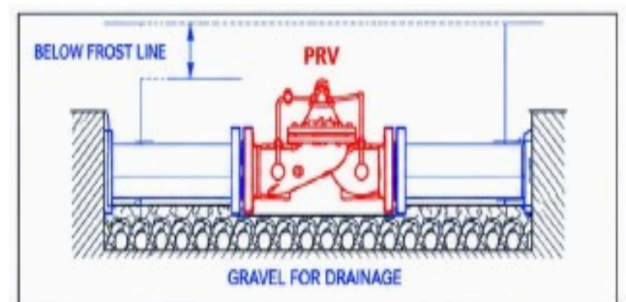
Account for bends, fittings/pipe diameters, strainers and valves at design flow.

07 Deep chamber installations

Consider installing a bracket mounted pilot system for ease of maintenance and access



Bracket Mounted 90-01 PRV Pilot Rail



DESIGN NOTE

Schematic is indicative and not to scale. Confirm minimum clearances, meter straight lengths, valve sizing and total head loss against project specifications.

AQUA 90-501 | DIMENSIONS & DESIGN DATA



Manufacturer data: L = face-to-face length; Hm = minimum screen removal clearance; weight = approximate mass.

DIMENSIONS | DN 40-800

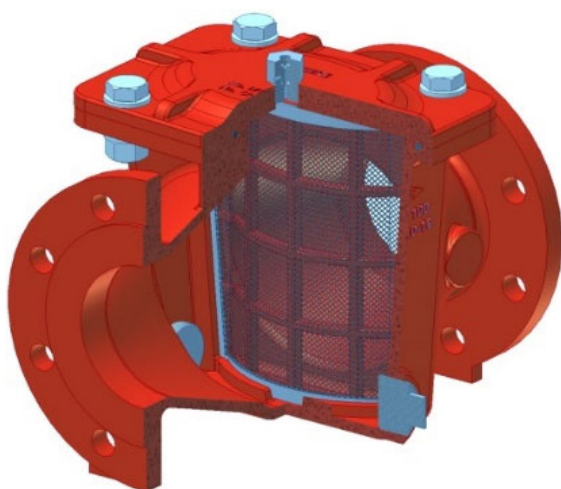
DN	40/50	60/65	80	100	125	150	200	250
Length L (mm)	230	230	300	300	400	400	500	580
Clearance Hm (mm)	340	340	450	450	620	620	700	950
Weight (kg)	13.8	14.6	22	23	46	48	76	165

DN	300	350	400	450	500	600	700	800
Length L (mm)	610	650	800	800	950	1100	1150	1150
Clearance Hm (mm)	1150	1150	1430	1430	2070	2070	2070	2070
Weight (kg)	230	250	410	430	770	850	950	998

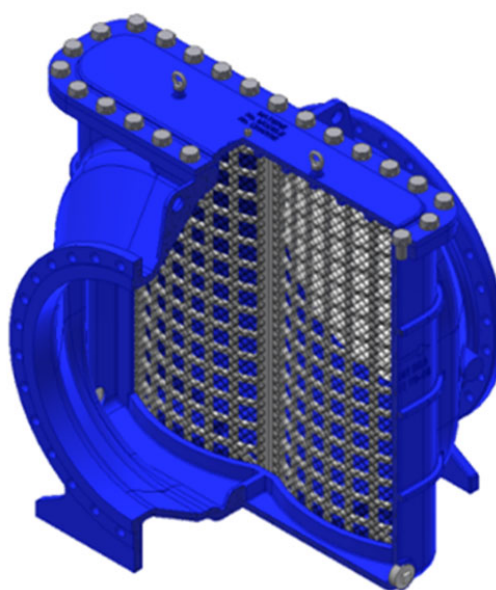
DIMENSIONS | DN 900-1400

DN	900	1000	1200	1400
Length L (mm)	1170	1180	1180	1190
Clearance Hm (mm)	2820	2820	2980	3080
Weight (kg)	1890	1970	2100	2220

AQUA 90-501 | PRODUCT CONFIGURATIONS



DN 40-800



DN 900-1400