

QC Plumbing-General-Duty Valves for Plumbing Piping Checklist

Section 22.05.23

i General-Duty Valves for Plumbing Piping addressing installation, integration, and safe operation of related assemblies and systems for reliable facility performance. Scope emphasizes piping, testing, service, manufacturer, with field verification confirming compliance with performance, safety, and quality standards. Quality assurance,

Valve type, size, pressure class, temperature rating, and end connection match approved submittals and service conditions at each installed location. 156530744

✓

QC

OPN

NA

Observations

Valve body markings indicate certified lead-free compliance for all potable-water service valves. 156530745

✓

QC

OPN

NA

Observations

Flow-direction-sensitive valves are installed with manufacturer arrow aligned to actual system flow direction. 156530746

FTQ

✓

OPN

NA

Observations

Hand wheels, levers, or actuators are located within 7 ft of finished floor or provided with approved chain operators for higher elevations, allowing unobstructed operation. 156530747

✓

QC

OPN

NA

Observations

Valve stems and operators have clearance from insulation thickness so full travel occurs without binding or insulation damage. 156530748

✓

QC

OPN

NA

Observations

Isolation valves are installed at branch takeoffs, equipment connections, and major fixtures per valve schedule; recorded locations match drawings within 18 in. 156530749

FTQ

QC

✓

NA

Observations

Threaded, soldered, press, or flanged valve joints are fabricated using specified methods with cleaned mating surfaces and lead-free flux; no sealant on first two male threads. 156530750

✓

QC

OPN

NA

Observations

Valves 2-1/2 in. and larger are independently supported with pipe hangers or brackets within 12 in. of each side to prevent pipe load on valve body. 156530751

✓

QC

OPN

NA

Observations

Packing gland is tightened after installation and during system pressurization until no visible leakage occurs. 156530752

FTQ

QC

✓

NA

Observations

Installed valves maintain zero leakage during hydrostatic pressure test at specified test pressure and duration; test results documented. 156530753

✓

QC

OPN

NA

Observations

Dissimilar metal connections adjacent to valves include specified dielectric insulating unions or flanges to prevent galvanic corrosion. 156530754

✓

QC

OPN

NA

Observations

Valve identification tags are attached with corrosion-resistant chain or rivet and display engraved service designation and unique tag number corresponding to valve schedule. 156530755

FTQ

✓

OPN

NA

Observations

Valve stems are oriented above horizontal unless manufacturer installation instructions approve horizontal orientation to prevent debris accumulation in bonnet. 156530756

✓

QC

OPN

NA

Observations

Butterfly valve discs cycle fully open and closed without interference from pipe lining or adjacent flanges before system pressure testing. 156530757

✓

QC

OPN

NA

Observations

Combination balancing valves are set to design flow using manufacturer metering ports, and final setpoints are recorded on commissioning logs. 156530758

✓

QC

OPN

NA

Observations

i Note to QA Engineer: To refine your checklist template, turn on any of the approximately 20 hidden checkpoints that apply, turn off any unnecessary checkpoints shown above, and add your own checkpoints and data collection tables.