



Clow Valve Co.

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CERTIFICATE OF COMPLIANCE & TESTING

ECCENTRIC PLUG VALVE

The Clow Valve Company manufactures an Eccentric Plug Valve, model number F5412 flanged, F5413 mechanical joint in sizes 3" through 24", and F5414 grooved (3"—16"). Valve bodies are cast iron ASTM A126, Class B. Flanged ends conform to the dimensions of ANSI B16.1, Class 125. Mechanical Joint ends meet the requirements of ANSI/AWWA C111/A21.11. Grooved ends are in compliance with AWWA C606. Valves meet applicable portions of AWWA C517 and MSS-SP-108. When specified, valves furnished with epoxy coating and or lining use material in compliance with AWWA C-550. Clow Valve Company Eccentric Plug Valves have an minimum 80% port area(3"-20") and 70% on 24". Valve plugs are cast iron ASTM A126, Class B with the entire plug surface covered with BUNA N rubber compound. Plug geometry and rotational characteristics allow valve to be drop—tight up to maximum rated pressures (175 PSI 3 through 12" and, 150 PSI 14" through 24"). Each valve is hydrostatically tested at the factory to the maximum rated pressure, and shell tested at one and one-half the working pressure with no allowable leakage.

Valve seat surface is raised, welded-in overlay, 1/8" thick, 95% nickel.

Valve covers are cast iron ASTM A126, Class B. Sleeve type bearings are utilized in both the upper and lower trunnions. Bearings are sintered, oil impregnated and permanently lubricated type 316 stainless steel conforming to ASTM A743 Grade CF-8M.

Eccentric Plug Valves are suitable for operating in continuous duty service under the pressure and flows for both digester gas and sludge services. Eccentric Plug Valves are suitable for waste water treatment plant applications.

These valves are American made and manufactured by the Clow Valve Company in Oskaloosa, Iowa.