

Macawber Installation Case Study: Refuse Derived Fuel – Quebec, Canada

IN BRIEF

This is the first contract we have closed with this end user. Previously, they have been using a valve supplied by a direct competitor to Macawber Dome Valves®, but were looking for a more competitive price, which Macawber was able to offer. The controls are quite special as they are not only explosion proof, but additionally, if utility and power supplied to the valve fails at any time the valve will automatically close and pressurize the seal. The valves are CSA listed. These Dome Valves® will be mounted on customer's lock hoppers, but, the exact process is proprietary. For service in Quebec, the valves required Macawber to seek out approval for a Canadian Registration Number, or CRN, which Macawber successfully achieved.

MATERIAL CHARACTERISTICS

Material	Refuse Derived Fuel
Bulk Density	100 kg/m ³ , typical
Size	99.9% < 75mm
Temperature	200 °C
Moisture Content	10-30%
Condition	Free Flowing



SYSTEM OBJECTIVES

1. Bulkhead isolation valve
2. Failsafe closed, sealed if loss of power or air utilities
3. Explosion proof

SYSTEM PERFORMANCE

Prior to shipment, the Dome Valves® were pressure tested and functionally tested to confirm customer requirements have been met or exceeded.

