

SENTINEL™ Crude Vapor Valve



(Shown with optional E-coating)

TwinForce™ Dual-Cylinder Technology
Refined defense with the strongest response.

800.831.7160



Do what's best.

SENTINEL™ CRUDE VAPOR VALVE

A high-pressure defense that rises to the challenge and saves the day—SENTINEL™, the industry's only crude vapor valve featuring TwinForce™ Dual-Cylinder Technology. This valve offers double force for high-pressure applications.



(Shown with optional E-coating)

Model Features

- Opens against 45 PSI tank pressure
- Exceptional flow capacity
- Overall height of less than 3 inches
- Wide operating temperature range
- Flanged or threaded mounting

The Betts SENTINEL™ Crude Vapor Valve is the result of state-of-the-art advancements in valve design and functionality, engineered exclusively by Betts to provide the best defense of your crude transport.

INNOVATION AND FUNCTIONALITY WIN.

When it comes to choosing a crude vapor valve, don't settle for outdated technology. Defend your crude transport with cutting-edge engineering from Betts. The SENTINEL™ valve features an innovative, TwinForce™ dual-cylinder design that offers exceptional flow and is able to respond immediately by opening the valve against the higher pressures present in crude tankers.

This Betts exclusive, patent-pending 3.5" interlock vapor valve opens against 45 PSI tank pressure and operates over a wide temperature range. The SENTINEL™ can be installed on either new or existing tankers and is also available with optional E-coating for corrosive applications.

Assembly Number*	Description	Main Seat O-Ring	Mounting O-Ring	Stem O-Ring	Temp. Range**	Weight
AVTC3.5ALTS	3.5" Interlock Crude Oil Vapor Valve	FEP Teflon®	FKM-A	Fluorosilicone	-50°F to +350°F [-45°C to 176°C]	4.1 lbs. [1.6 kg]
AVTC3.5ALVT		FKM-A	FKM-A	FKM-A	-15°F to +350°F [-26°C to 176°C]	4.1 lbs. [1.6 kg]
AVTC3.5ALVB		FKM-BLT	FKM-BLT	FKM-BLT	-11°F to +350°F [-24°C to 176°C]	4.1 lbs. [1.6 kg]
AVTC3.5AYTS	Valve with black E-coated body and O-ring holder	FEP Teflon®	FKM-A	Fluorosilicone	-50°F to +350°F [-45°C to 176°C]	4.1 lbs. [1.6 kg]

NOTE: Fluorosilicone seals standard for air cylinder unless three-digit number suffix added to part number designating alternate material. See ADR valve catalog page for details, Section 50, page 8A.

*Last two letters of part number designate seal material.

**Values shown are test values. Actual values may vary due to service conditions.

Call a Betts expert today! 800.831.7160



Designed, engineered and manufactured in the USA.



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