

Elite E5600-OSV High Performance Class 150 (Oil Sands Variant)



Brand: Elite Valve

Short Description

The E5600-OSV is a high performance knife gate valve configured specifically for demanding processes in the oil sands industry. Transverse seal design with rotatable wear rings 17-4PH H900 gate with chrome carbide tip Heavy-duty, low-carbon steel body with low-friction coating ASME Class 150 MSS SP-135 2" to 48" (larger on request)

Description

Features & Benefits

- Perimeter style seat provides reliable, bidirectional f low/shutoff for zero downstream leakage
- Full port opening allows maximum throughput and minimizes pressure drop
- Transverse seat design with scrapers reduces material build-up and provides reliable sealing
- Positive gate stop ensures seat integrity is maintained
- Heavy-duty, low-carbon steel body provides better durability in low temperatures
- Carbide-tipped gate with low friction coating improves valve life and reliability
- Rotatable wear rings with a weld overlay improves wear resistance and reduces maintenance
- Lockout pin and safety covers, included as standard to ensure operator and maintenance safety
- High visibility clevis provides easy identification of valve position
- Provision for proximity sensors allows easy integration for position feedback

• ISO 5211 mounting pattern allows direct mounting of various actuation options

Technical Details & Standards

- Standard sizes available: 2"-24" (larger sizes available on request)
- A352 LCC low-temp carbon steel body with lowfriction coating
- A693 17-4PH H900 gate with HVOF chrome carbide tip and low-friction coating
- 17-4PH stem with ACME threads
- ASTM A36 heavy duty yoke with safety screens
- Rotatable, carbon steel wear rings with tungsten carbide weld overlay
- Viton® GFLT perimeter seat
- Viton® GFLT transverse seals with phenolic scrapers and PTFE energizer
- Pressure rating as per

ASME Class 150 (higher pressure classes available) • ASME B16.5 flange pattern
(alternate flange patterns available on request) • Meets MSS SP-135 design requirements
• CRN