

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 flow/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