



KNIFE GATE VALVE FIG. EA-F46 DATA SHEET "06"

DESCRIPTION

EMICO FEP (F46) Lined Knife Gate Valve – Bi-Directional, Lugged body, Round Port, Rising Spindle, Hand wheel operated, Resilient Seated. Size range 50mm - 600mm.

Features: Bi-directional flow, FEP lined / bonded to body & FEP bonded gate, suitable for corrosive service, low pressure drop, min MSS SP-81 port size, Blind holes tapped in the chest area & through tapped holes in lugs, Bolted 2-pce body, Actuator easily retro-fitted, Locking Facility (open & close).

STANDARDS

Design Standard	Manufacturers Standard
Face to Face Dimension	Manufacturers Standard
Pressure Rating	1000 kPa CWP \leq 300mm / 800kPa for \geq 350mm
Temperature	150° C
End Connections	ANSI B16.5 Class 125/150 (UNC/UNC8 threads) AS 2129 Table D & E (metric threads)

MATERIALS OF CONSTRUCTION

Body	Stainless Steel A351 CF8M (+ other cast materials)
Gate	Stainless Steel 316 + FEP bonded
Stem	Stainless Steel 316
Soft Seats	Integral FEP
Gland	Stainless Steel CF8M
Gland Packing	PTFE
Yoke	Stainless Steel 304
Bolts/Nuts	Stainless Steel B8M
Hand Wheel	Cast Iron ASTM A126 Class 'B' (painted Silver)

TESTING - CERTIFICATION

Pressure Test	100% Pressure Tested to MSS SP-81 Body – Hydro tested 1.5 times rated working pressure Seat Test – Hydro tested at 40 PSI differential pressure Resilient Seat – Bubble tight shut-off; zero leakage
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OPTIONS

Actuation	D/A Pneumatic Actuators, Fail Safe systems, Instrumentation
Operation	Bevel Gear Hand wheel
Others	Spindle Dust Cover