DeZURIK KSL-LA SLURRY KNIFE GATE VALVE SUGGESTED SPECIFICATION



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All valves shall be a Model KSL-LA Slurry Knife Gate Valve as manufactured by DeZURIK or approved equal.

Heavy-duty slurry knife gate valve shall be flat face flanged, packingless, push through gate design.

Valve shall be cast ductile iron with thick, compressed, elastomer sleeves that provide sleeve-to-sleeve seal with the valve open and sleeve to gate seat seal on both the upstream and downstream side of the valve when closed. Valve shall have a full-

unobstructed port. Integral lifting lugs shall be standard on 12" and larger sizes. Top Seal shall be provided to prevent leakage from the top of the valve and shall be one piece molded elastomer with integrated reinforcement plate. Body shall be a two-piece casting of _____ (Ductile Iron) or (Specify). Design shall eliminate any cavities in the lower body and discharge material that could potentially prevent the valve from closing. Gate shall be type (316) (17-4 Heat Treated) stainless steel or (Specify). The gate shall fully retract out of the flowing media when in the open position and be capable of being replaced without taking the valve out of service. Resilient Sleeves shall be capable of drip tight bi-directional shutoff to the full pressure rating of the valve. The sleeves shall act as flange gaskets on 2-8" valves. On 10" and larger valves (optional on 2-8" valves) the sleeve retainers act as flange gaskets. Resilient sleeve material shall be _____ (NR) or Specify (EPDM) (HNBR). Cold Working Pressure valve rating shall be 100 psi (690 kPa). Flange drilling shall be in accordance with _____ (ASME B16.5 class 150) (JIS 10) (DIN 10) (DIN 16) (ISO 7005-1/PN10) (ISO 7005-2/PN16) (BS 4504/PN10) (BS 4504/PN16) (AS2129 Table D) (AS2129 Table E) (SANS 1123-1000) or (SANS 1123-1600). <u>Actuation</u> Manually actuated valves shall have (chainwheel) (handwheel) on 2-10" (50-250mm) valves or (bevel gear) actuators. The manual operated (handwheel) (chainwheel) (bevel gear) superstructure shall be vertical plane style with straight legs of (carbon steel) or (specify). The yoke sleeve shall be aluminum bronze. The stem shall be type 304 stainless steel. A standard locking device shall be available upon

request. The lockout shall be rated to withstand the maximum output of the actuator.

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Power actuated valves shall be furnished	with	(cylinder) (electric motor)
actuators. Cylinder actuators shall be size	d to operate with	psi (kPa) cylinder
pressure at a maximum shutoff pressure o	of ps	(kPa). The superstructure shall
be vertical plane style with straight legs of	· (c	carbon steel) or (specify). A
standard locking device shall be available	upon request. 7	he lockout shall be rated to
withstand the maximum output of the actu	ıator.	
Culindar controls abolt include	(a alamaid yal)	(a) (an and a entrol values)
Cylinder controls shall include	(solenoid vaiv	ve) (speed control valves)
(switches) mounted on the valve.		