EagleBurgmann

Request Data Sheet – Espey Shaft seals

Customer Reference Number: Espeyreferenz-Number:

Requesting company:
☐ OEM
☐ Operator
☐ EagleBurgmann Contact:

Contact:
Department:
Phone:
Fax:
E-mail:

Project:
☐ New plant ☐ Conversion
Existing Seal:
No. of items:
Decrease in material assignment:
☐ no ☐ yes, additional information is required

Name: Date: Signature:

Machine type:

☐ Fan ☐ Agitator ☐ Dryer ☐ Mixer ☐ Steam turbine ☐ Centrifuge ☐ Kneading machine
☐ Pump ☐ Mill ☐ Compressor-axial ☐ Compressor-radial ☐ Multi-Stage-Compressor ☐ Other:

Customer machine (Type, Drawing-No.): Manufacturer:
Connecting dimensions according: ☐ According to Customer drawing-No.:

Shaft parameter:

Diameter : mm Fit:
Material: α = x10^{-6} 1/K
Surface roughness: Rz Ra
Wear protection: ☐ yes ☐ no
Type of wear protection:
Hardness of the shaft/wear protection: HRC HB
Radial eccentricity in the area of the seal: µm
0-to-Peak µm Peak-to-Peak µm
Drive: ☐ up.- ☐ below.- ☐ side.-
Bearings: ☐ flying ☐ on both sides
Movements: ☐ axial mm
☐ radially mm
☐ angular mm
☐ Wobble

Media Type / medium properties:

Medium:
Resistant materials (metallic components, seal rings, secondary gaskets)

Characteristics:
☐ gaseous ☐ Liquid ☐ pulpy, paste-like ☐ abrasive
☐ aggressive ☐ toxic ☐ in powder form ☐ sticks
☐ flammable, explosive ☐ clumps
☐ Curing at ° C and bar
☐ tough, Viscosity cp at ° C

pH Value:
Density: kg/dm^3 at ° C
Solids: ☐ no ☐ Yes, share % by weight

Seal design:

☐ WD (split design) ☐ WKA (design chamber)
Type:

Installation position of the seal:
☐ vertical ☐ horizontally ☐ slant, angle °
☐ wetted ☐ in the gas space above ☐ Below in the product space

Shaft sleeve parameter

Shaft sleeve: ☐ no ☐ yes
Seal diameter: mm
Material: α = x10^{-6} 1/K
Running around in the area of the seal: µm
Wear protection: ☐ no
☐ yes, Type of wear protection:
Hardness of the shaft sleeve/wear protection: HRC
HB
Secured to the shaft by:
☐ axial preloading ☐ Shrink fit ☐ Clamping ring
☐ Setscrew ☐ Drive Screws
☐ other

Operating conditions - Process data / machine data:

Operating pressure (p): bar(a)
Operating temperature (t): ° C
Design pressure (p): bar(a)
Design temperature (t) ° C
Speed (n): rpm
Direction of shaft rotation (viewed from the process space):
☐ right ☐ left ☐ alternating

Driving the machine:

☐ Continuous operation ☐ periodic =
☐ other

Barrier gas:

☐ no ☐ yes, Barrier medium:
Pressure Barrier medium: bar(a)
Temperature Barrier medium: ° C

Return / Suction / Ventilation (Vent):

☐ no ☐ yes
☐ Return ☐ Suction ☐ Vent
Pressure: bar(a)
Temperature: ° C

Enquiry handled by EagleBurgmann Espey GmbH: Name: Date: Signature:
Comments / Notes:

(Yellow) highlighted fields are "required fields"

	Date:	Name	Type of Revision:
Rev. 0	21.10.2011	Böhm	Document created