PT. KARYA TEKNIK PERKASA

ENGINEERING CONTRACTOR INDUSTRIAL SUPPLIER SERVICES

2021 Catalog

PTFE PFA LINED VALVES & FITTINGS

PT. KARYA TEKNIK PERKASA

KTP STANDARD PORT LINED BALL VALVE

Salient Features

IDEAL for Industrial & Corrosive Duties.
100% Leak tight (Class VI Leakage Rate)
Best performance in Throttling & Flow control applications.
Complete isolation of working parts from process stream

Technical Specifications

Design Standard : BS EN 13397:2002 (Formerly BS 5156)
Face to Face : BS 2080, DIN 3202, MSSP 88, EN 558
Flange : As per ANSI B16.5 / B16.42
Drilling : ASA #150 /DIN 2632/33 / BS 10 TABLE D, E, F
Lining Thickness : 3 to 5 mm
Testing Standard : BS EN 12266-1&2 (2003)

Standard Scope Of Supply

Lined Body - Ductile Iron / WCB
Bonnet - Ductile Iron / WCB
Spindle - C.S PTFE Coated
Compressor - Pin Type Ductile Iron/WCB
Handwheel - Ductile Iron / WCB
Opening Indicator Sleeve - HDPE
Diaphragm (pin Type) -
PTFE Backed With Neoprene Rubber
Compression - Spring S.S.
Dowell - Pin Spring Steel
Stud - S.S.
Nut - S.S.

Test & Inspection Data

Hydraulic Test : Body (Shell) – 15 Kg/Cm, Seat – 11 Kg/Cm
Pneumatic Test : Seat – 6 Kg/Cm (Class VI Sealing)
Spark Test : 15 K.V. D.C

Lining Material Options

PFA – ASTM D 3307
FEP – ASTM D 2116
ETFE – ASTM D 3159
PVDF – ASTM D 3322
PP – ASTM D 4101

(Spare Diaphragms)

PT. KARYA TEKNIK PERKASA

KTP STANDARD PORT LINED BALL VALVE

Salient Features

Maintenance Free' Glandless Live Load Design
One Piece Integral Ball Stem Combination
Minimum Cavity & Full Flow Efficient
No Backlash in Stem & Ball even after prolonged service.
Exceptionally Low Torque as compared to Plug Valve.

Technical Specifications

Design Standard : BS EN ISO 17292:2004 (Formerly BS 5351)
Drilling : ASA #150 / DIN 2632/2633 / BS 10 Table D, E or F
Face to Face : ANSI B 16.10 / DIN 3202 / BS EN 558-1/2
Lining Thickness : 3 to 5 mm
Testing Standard : BS EN 12266-1&2 (2003)

Standard Scope Of Supply

Lined Side Piece - Ductile Iron / WCB (FEP Lined)
Lined Integral Ball - Ductile Iron / WCB (FEP Lined)
Top Cover - ASTM A216 Gr.WCB
Lever Boss - ASTM A216 Gr.WCB
Lever Rod - MS
Seat Ring - PTFE
Flexible Diaphragm - PTFE
Diaphragm Backup - S.S.
Thurst Washer - MS (Nickel Plated)
Disc Spring – nickel Plated - Spring Steel

Test & Inspection Data

Hydraulic Test : Body (Shell) – 20 Kg/Cm
Hydraulic Test : Seat – 11 Kg/Cm
Pneumatic Test : Seat – 6 Kg/Cm
Spark Test :15 K.V. D.C

Lining Material Options

PFA – ASTM D 3307
FEP – ASTM D 2116
ETFE – ASTM D 3159
PVDF – ASTM D 3322
PP – ASTM D 4101
HDPE

PT. KARYA TEKNIK PERKASA

KTP LINED PLUG VALVE

Salient Features

Cavity Less High Performance Design
Zero Leakage (Class VI Leakage Rate) due to large sealing area
Unique Lining makes it Fully Locked from Top, Bottom & Port.
Totally Maintenance Free Design.

Technical Specifications

Design Standard : BS 5158:1989
Flange : As per ANSI B16.5 / B16.42
Drilling : ASA #150 /DIN 2632/33 / BS 10 TABLE D, E, F
Lining Thickness : 3 to 5 mm
Testing Standard : BS EN 12266-1&2 (2003)

Standard Scope Of Supply

Body With Lining - Ductile Iron GGG40.3 / ASTM A216 Gr. (Lined)†
Lined Plug - Ductile Iron / WCB (FEP Lined) †
Top Cover - Ductile Iron / WCB
Lever Boss - ASTM A216 Gr.WCB
Lever Rod - M.S
Wedge Ring / Diaphragm - PTFE
Diaphragm Backup - S.S.
Stopper Pin - WCB / S.S.
Bottom Cover - Ductile Iron / WCB
Blind Gasket - PTFE
Hex Head Bolt - SS
Blind Gasket Backup - SS

Test & Inspection Data

Hydraulic Test : Body (Shell) – 20 Kg/Cm2, 2 Seat – 10 Kg/Cm2
Pneumatic Test : Seat – 6 Kg/Cm2
Spark Test : 15 K.V. D.C

Lining Material Options

PFA – ASTM D 3307
FEP – ASTM D 2116
ETFE – ASTM D 3159
PVDF – ASTM D 3322

PT. KARYA TEKNIK PERKASA

KTP WAFER TYPE LINED BUTTERFLY VALVE

Salient Features

'Maintenance Free' High Performance Design
Bubble Tight Closer provides process efficiency
Dynamic Live Loaded Seal Design give super safe operation.
Intact Performance in severe conditions of corrosion, abrasion, and temperature fluctuation.

Technical Specifications

Design Standard : BS EN 593:2004 (Formerly BS 5155)
Drilling : ANSI B16.5 / DIN PN10/16
Face to Face : API 609 / DIN 3202 K1 / BS 5155 / ISO 5752 / BS EN 558-1/2
Lining Thickness : 3 to 5 mm
Testing Standard : BS EN 12266-1&2 (2003)

Standard Scope Of Supply

Body - Cast Steel ASTM A216 Gr.WCB
ASTM A351 Gr. CF8 / S.S.304
ASTM A351 Gr. CF8M / S.S.316
Disc With Integral Shaft - SS 304 With PFA
Elastomer Backup - Silicon
Wedge Ring - PTFE
Thrust Washer - S.S.
Support Bush - TFM / SS PFA LINED / Coated
Guide Bush - S.S. PTFE Coated
Lever Assembly - CS

Test & Inspection Data

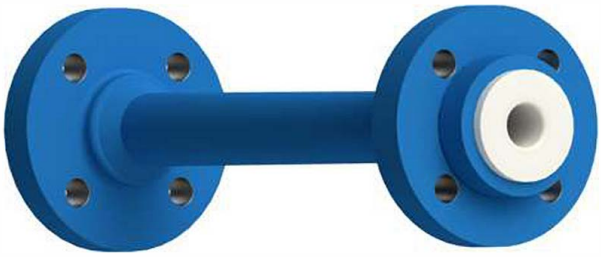
Hydraulic Test : Body (Shell) – 20 Kg/Cm
Hydraulic Test : Seat – 11 Kg/Cm
Pneumatic Test : Seat – 6 Kg/Cm
Spark Test :15 K.V. D.C

Lining Material Options

PTFE – ASTM D 4895
PFA – ASTM D 3307
FEP – ASTM D 2116
ETFE – ASTM D 3159
PVDF – ASTM D 3322

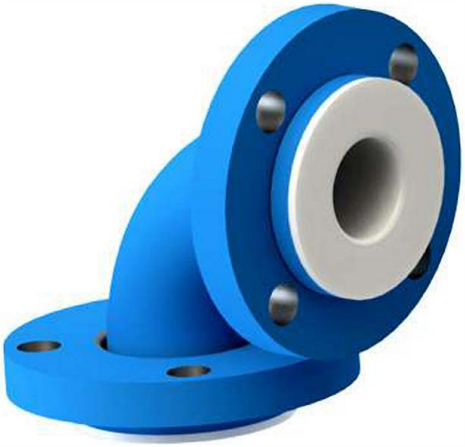
PT. KARYA TEKNIK PERKASA

KTP LINED PIPES & FITTINGS



LINED SPOOL

LINED 45° ELBOW



LINED 90° ELBOW

LINED EQUAL CROSS

LINED EQUAL TEE

LINED Y TYPE STRAINER