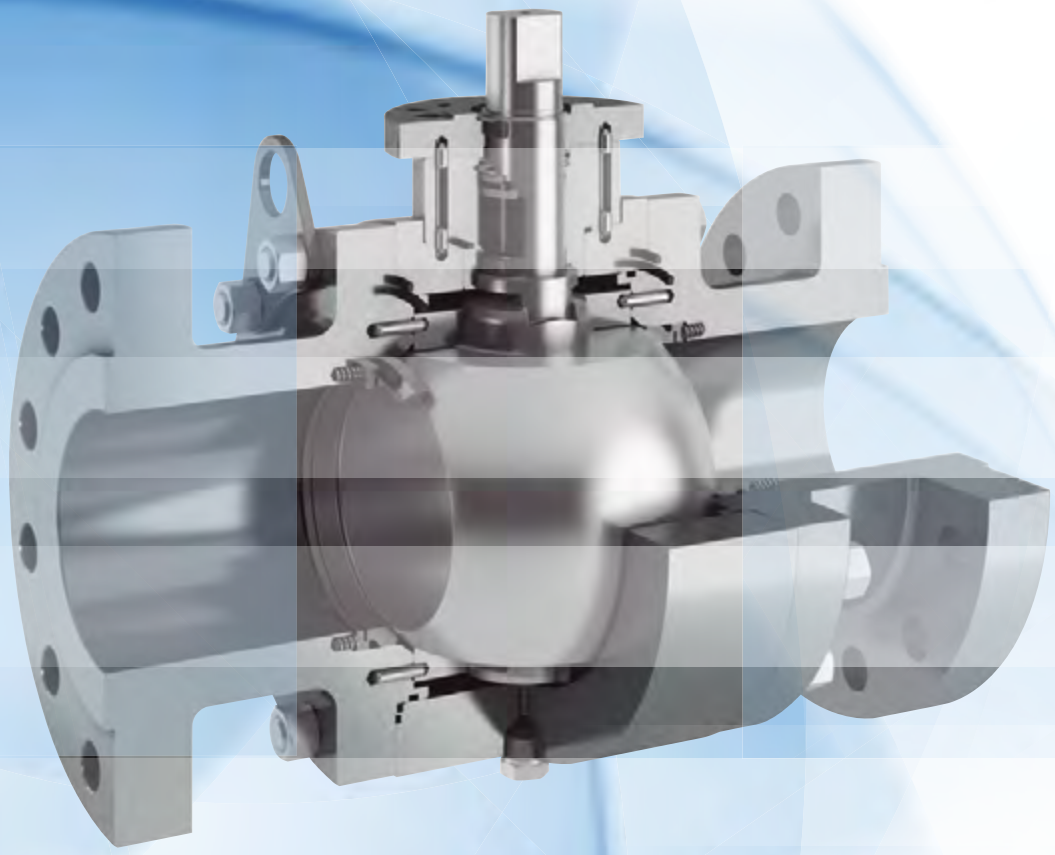
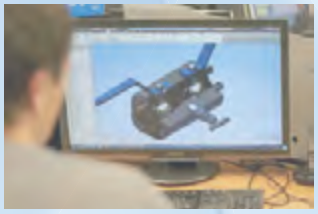


Pekos®

VALVES

Pekos



Pekos Group structure

Manufacturing

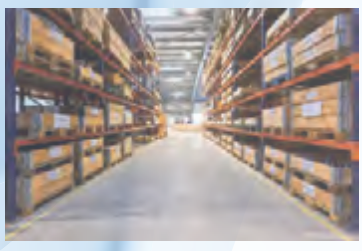
Pekos valves, S.A. has been designing and manufacturing ball valves under Pekos® brand name since 1988, catering for a wide range of different industries such as shipbuilding, petrochemical, oil and gas, energy, power plants, chemical…

Certificates / R+D

Bilbao (Spain), where we develop our production: machining, assembling, testing and R+D.

Sales / Marketing

Montmeló - Barcelona (Spain), sales and headquarters with a state of the art warehouse, location of all sales, marketing and logistic activities. Our logistics, refined throughout all these years in the market, allows us to supply our products with short delivery times. The fully automatic warehouses in Barcelona and Bilbao reduce the preparation time of our customers' orders and guarantee their accuracy.



Pekos Valves company philosophy

To bring to the market standard and special execution ball valves with short lead times, at competitive price and most importantly long service life. This is combined with dedicated sale and after-sale service by a truly international team.

Company profile

Group founded in 1988
Capital + reserves: 2.500.000 €
Sales headquarters and production facilities: 85.000 m^2
Staff: 140
Production capacity: 15.000 valves per month
Turnover 2015: 50.000.000 €
President: Angel Arranz
C.E.O: Daniel Arranz

Pekos Valves stocks on line

At www.pekos.es all our distributors can check, on line, stock availability, more than 50.000 valves in different materials and configurations, more than 20 million € stock and 6.500 europallets at your service.






Pekos®
VALVES

DIN

Ball valves

Floating ball

General features

- Split Body
- Full bore
- Soft seat
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Low emission design

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Face to face EN 558 series 1, 14 and 15 (former F1, F4 and F5)
- Testing EN 12266, ISO 5208
- Design EN 12516, ISO 17292
- Fire Safe API 607, ISO 10497
- Material according NACE MR 0175

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- TÜV AD- 2000 Merkblatt W0
- SIL 3 Capable (ICE 61508)
- EN 161 & EN 23553
- DVGW - EN 13774

DN 15 - 50 / PN 63 - 100
DN 15 - 125 / PN 25 - 40
DN 15 - 200 / PN 10 - 16

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619	1.4408
Ball	1.4408	1.4408
Seats	PTFE	PTFE
Stem	1.4401	1.4401
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite	Graphite

Other materials, upon request.

Guided ball

General features

- Split body
- Full bore
- Soft seat
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Low emission design

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Face to face EN 558 serie 15 (former F5)
- Testing EN 12266, ISO 5208
- Design EN 12516, ISO 17292
- Fire safe API 607, ISO 10497
- Material according NACE MR 0175

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- TÜV AD 2000-Merkblatt W0
- SIL 3 Capable (ICE 61508)
- EN 161 & EN 23553
- DVGW - EN 13774

DN 150-300 / PN 10-40

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619	1.4408
Ball	1.4408	1.4408
Seats	PTFE	PTFE
Stem	1.4401	1.4401
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite	Graphite

Other materials, upon request.

Full trunnion split body

General features

- Full bore
- Soft seat
- Self cavity pressure relief
- Bidirectional
- Fire safe
- Anti blow out stem
- Autoadjustable packing
- Double block and bleed
- Antistatic stem
- Spring loaded seat system
- Low emission design

Standards

- Top flange ISO 5211
- Flanges EN 1092-1
- Face to face EN 558 serie 15 (former F5)
- Testing EN 12266, ISO 5208
- Material according NACE MR 0175
- Design EN 12516, ISO 17292
- Fire Safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- TÜV AD 2000-Merkblatt W0
- SIL 3 Capable (ICE 61508
- DVGW en 13774
- EN161 / EN 23553

DN 50 - 300 / PN 10 - 40

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619	1.4408
Ball	1.4408	1.4408
Seats	PTFE	PTFE
Stem	1.4462	1.4462
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	RPTFE/PTFE + CG / Viton	RPTFE/PTFE + CG / Viton
Body seal 2	Graphite	Graphite

Other materials, upon request.

Full trunnion 3 pieces

General features

- Full and reduced bore
- Soft seat
- Self cavity pressure relief
- Bidirectional
- Fire safe
- Anti blow out stem
- Autoadjustable packing
- Double block and bleed
- Antistatic stem
- Spring loaded seat system
- Low emission design
- In line packing maintenance
- Split Body

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Face to face EN 558 series 1, 2, 15 (Former F1, F2,F15)
- Testing EN 12266, ISO 5208
- Design EN 12516 , ISO 17292
- Fire Safe API 607, ISO 10497
- Material according NACE MR 0175

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT (up to DN500-PN160)
- ISO 15848 (up to DN300-PN100)
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)
- DVGW - EN 13774
- TÜV AD Merkblatt W0

DN 15 - 300 / PN 400
DN 15 - 400 / PN 250
DN 15 - 500 / PN 160
DN 15 - 600 / PN 10 - 100

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0460	1.4401
Ball	1.4408	1.4408
Seats	PTFE + CG	PTFE + CG
Stem	1.4462	1.4462
Stem packing	Viton + Graphite	Viton + Graphite
Body seal 1	PTFE + CG	PTFE + CG
Body seal 2	Graphite	Graphite

Other materials, upon request.

Three & four way

General features

- Floating
- Guided ball
- Full Trunnion
- Full bore/ / Reduced Bore
- Soft seat/ / Metal seated
- L,T or X bore
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Four seats
- Self cavity pressure relief
- Low Emission Design
- Fire Safe Design
- Split Body

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Face to face standard Pekos
- Testing EN -12266, ISO 5208
- Design EN -12516, ISO 17292

Approvals

- PED 97/23/CE
- TA-LUFT
- ISO 15848
- TÜV Ad-Merkblatt W0
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)
- EN 161 & EN 23553

FLOATING BALL:

- **DN 25-100 / PN 40**
- **DN 25 - 200 / PN 16**

FULL TRUNNION:

- **DN 25 - 600 / PN 10 - 420**

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619 / 1.4401	1.4408 / 1.4401
Ball	1.4408 / 1.4401	1.4408 / 1.4401
Seats	PTFE/RPTFE	PTFE / RPTFE
Stem	1.4401/1.4462	1.4408 / 1.4462
Stem packing	PTFE + Graphite	PTFE + Graphite / Viton
Body seal	PTFE / RPTFE	PTFE / RPTFE

Other materials, upon request.

Wafer

General features

- Floating ball
- Full bore
- End entry
- Soft seat / Metal Seated
- Bidirectional
- Fire safe
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Antistatic stem

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Testing EN 12266, ISO 5208
- Design EN 12516 , ISO 17292
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- TA-LUFT
- FIRE SAFE
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)
- ISO 15848
- TÜV Ad-Merkblatt W0

DN 15 - 80 / PN 40
DN 15 - 100 / PN 16

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619	1.4408
Ball	1.4408	1.4408
Seats	PTFE	PTFE
Stem	1.4401	1.4401
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite / Viton	Graphite / Viton

Other materials, upon request.

Tank bottom

General features

- Floating Ball
- Full bore
- Soft Seat / Metal Seat
- Anti blow out stem
- Inclined stem
- Autoadjustable packing
- End entry
- Antistatic stem
- Self-cavity pressure relief
- Fire-safe

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Testing EN 12266, ISO 5208
- Design EN 12516 , ISO 17292, DIN 28140-1 (PN 10)
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- TÜV AD - Merkblatt WO
- SIL3 Capable

DN 40 - 150 / PN 16
DN 200 - 250 / PN 10

Standard construction materials

Description	Material
	Stainless steel
Body	1.4408
Ball	1.4408
Seats	PTFE
Stem	1.4401
Stem packing	PTFE + Graphite/Viton
Body seal 1	PTFE
Body seal 2	Graphite/Viton

Other materials, upon request.

Cryogenic valve

General features

- Split body
- Floating
- Guided Ball
- Full Trunnion
- Full bore / Reduced bore
- Soft seat / Metal seated
- Spring leaded seat system
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Antistatic stem
- Service Temp. to -196°
- Fire safe

Standards

- Top flange ISO 5211
- Flanges EN 1092-01
- Face to face - EN 558 series 1, 14, 15 (Former F1,F4,F5)
- Testing EN 12266, ISO 5208
- Design EN 12516 , ISO 17292
- Fire safe API607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- BS 6364
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)
- TA Luft
- ISO 15848

FLOATING BALL:

- **DN 15 - 50 / PN 63 - 100**
- **DN 15 - 125 / PN 25 - 40**
- **DN 15 - 200 / PN 10 -16**

FULL TRUNNION:

- **DN 15 - 300 / PN 400**
- **DN 15 - 400 / PN 250**
- **DN 15 - 500 / PN 160**

Standard construction materials

Description	Material
	Stainless steel
Body	1.4408
Ball	1.4408 / 1.4401
Seats	KEL-F®
Stem	XM-19
Stem packing	PTFE + Graphite
Body seal 1	PTFE
Body seal 2	Graphite

Other materials, upon request.

Metal seated

General features

- Split body
- Floating ball
- Guided Ball
- Full Trunnion
- Full Bore / Reduced Bore
- Bidirectional
- Antistatic stem
- Double block and bleed
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Spring loaded seat system
- O-ring loaded seat system
- In-line packing maintenance
- Low emission design

Standards

- Top flange ISO 5211
- Flange EN 1092-01
- Face to face EN 558 series 1, 2, 14, 15 (Former F1, F2, F4, F5)
- Testing EN 12266, ISO 5208, API 598
- Design EN 12516, ISO 17292
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT (up to DN400-PN100)
- ISO 15848 (up to DN400-PN100)
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)
- TÜV AD - Merkblatt WO
- EN 161 & EN 23553

FLOATING BALL:

- **DN 15 - 40 / PN 63 - 100**
- **DN 15 - 125 / PN 25 - 40**
- **DN 15 - 200 / PN 10 -16**

FULL TRUNNION:

- **DN 15 - 300 / PN 400**
- **DN 15 - 400 / PN 250**
- **DN 15 - 500 / PN 160**

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	1.0619 / 1.0352	1.4408 / 1.4401
Ball	1.4408+Cr Carbide	1.4408+Cr Carbide
Seats	1.4401+Cr Carbide	1.4401+Cr Carbide
Stem	1.4401 / XM-19	1.4401 / XM-19
Stem packing	Graphite	Graphite
Body seal 1	Graphite	Graphite
Body seal 2	Graphite	Graphite

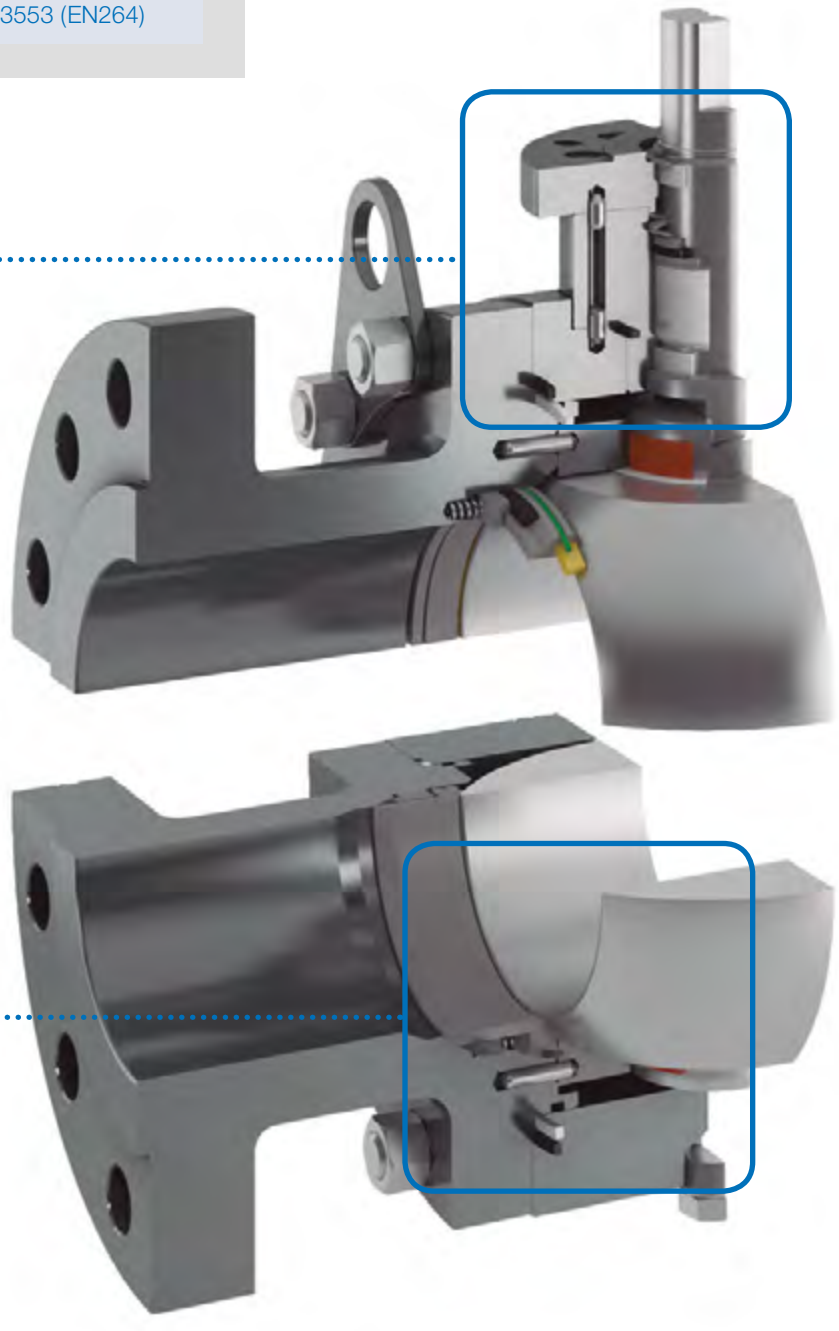
Other materials, upon request.

General valve design
Floating
Guided
Full Trunnion

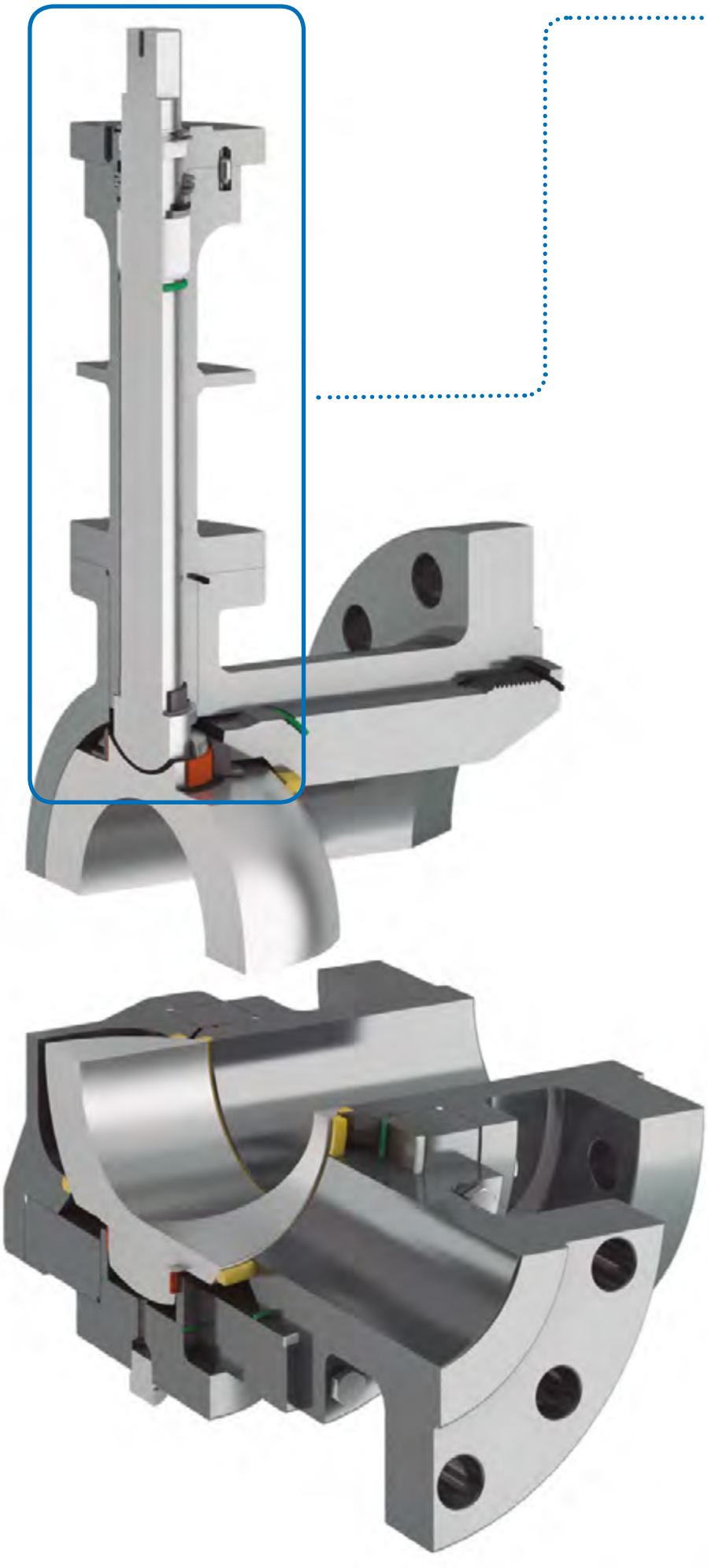
Body construction
Split body
Three pieces
End entry

Official approvals
FIRE SAFE API607, ISO10497
ATEX
TA-Luft and ISO 15848
CE marking (PED 97/23/EC)
API 6D
IEC 61508 SIL3 Capable
DVGW-EN 13774
EN161 & EN23553 (EN264)

Stem:
ISO 5211
Auto-adjustable packing (Maintenance free)
Fire safe device
Anti-blow out
Antistatic stem
Locking device



Seats design:
Encapsulated soft seat
Spring loaded seat (Soft or Metal)
Simple Piston Effect [SPE]
Double Piston Effect [DPE]
Protected seat
Primary Metal Secondary Soft [PMSS]
Cavity relief



Stem extension:
Different types
Simple
Standard
Security
Cryogenic

Available options
Double packing system
Fugitive emission detector
Welded

Range of products:

- 2,3 or 4 way (Full or Reduce Bore)
- Soft seat
- Metal seat
- Cryogenic
- Tank Bottom
- Wafer

Available options upon request:

- Cavity filler
- Cleaned and Degreased
- Pigging
- Unidirectional
- V-Port for control
- Heating jacket
- Seat sealant injection
- Stem sealant injection
- Sampling
- DBB (Double block and bleed)

Pekos® VALVES






Pekos®
VALVES

ANSI

Ball valves

Floating ball

General features

- Split body
- Full Bore
- Soft seat
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Low emission design

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Material according NACE MR 0175
- Face to face ANSI 16.10
- Testing ISO 5208, API 598 and API 6D upon request
- Design ANSI B16.34, ISO 17292, API 6D
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- API 6D
- SIL 3 capable (ICE 61508)
- EN 161 & EN 23553

1/2” - 2” / Class 600
1/2” - 4” / Class 300
1/2” - 8” / Class 150

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A 216 WCC or A352 LCC	A351 CF8M
Ball	A351 CF8M	A351 CF8M
Seats	PTFE or PTFE + CG	PTFE or PTFE + CG
Stem	AISI 316	AISI 316
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite	Graphite
O-Ring	Viton	Viton

Other materials, upon request.

Guided ball

General features

- Split body
- Full bore
- Soft seat
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Low emission design

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Face to face ANSI 16.10
- Material according NACE MR 0175
- Testing ISO 5208, API 598
- Design ANSI B16.34, ISO 17292, API 6D
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)
- EN 161 & EN 23553

6” - 12” / Class 300

10” - 12” / Class 150

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A 216 WCC or A352 LCC	A351 CF8M
Ball	A351 CF8M	A351 CF8M
Seats	PTFE or PTFE + CG	PTFE or PTFE + CG
Stem	AISI 316	AISI 316
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite	Graphite
O-Ring	Viton	Viton

Other materials, upon request.

Reduced Bore - Side entry

General features

- Floating ball
- End Entry
- Reduced bore
- Soft seat
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe
- Low emission design

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Face to face ANSI 16.10
- Material according NACE MR 0175
- Testing ISO 5208, API 598 and API 6D upon request
- Design ANSI B16.34, ISO 17292, API 6D
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)

1/2” - 8” / Class 300
1/2” - 12” / Class 150

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A 216 WCC or A352 LCC	A351 CF8M
Ball	A351 CF8M	A351 CF8M
Seats	PTFE or PTFE + CG	PTFE or PTFE + CG
Stem	AISI 316	AISI 316
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	Graphite	Graphite
Body seal 2	Viton	Viton
O-Ring	Viton	Viton

Other materials, upon request.

Three pieces forged

General features

- Floating ball
- Full and Reduced Bore
- Soft seat / Metal Seated
- Bidirectional
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Fire safe

Standards

- Top flange ISO 5211
- Design ANSI B16.34
- Testing ISO 5208, API 598
- Material according NACE MR 0175
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- ISO 15848 (Up to Class 800)
- TA-LUFT (Up to Class 800)
- FIRE SAFE
- ATEX (94/9/CE)
- SIL 3 Capable (ICE 61508)

1/4” - 1” / Class 2500
1 1/2” - 2” / Class 900-1500
1/4” - 1 1/2” / Class 800
2” - 2 1/2” / Class 600
3” - 4” / Class 400

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A 105/LF2	A 182 F316/316L
Ball	AISI 316/316L	AISI 316/316L
Seats	PTFE +CG	PTFE +CG
Stem	AISI 316/316L	AISI 316 /316L
Stem packing	Graphite	Graphite
Body seal 1	PTFE +CG	PTFE+CG
Body seal 2	Graphite	Graphite
O-Ring	Viton	Viton

Other materials, upon request.

End connections

- Screwed NPT, BSPP, BSPT
- Socket weld ANSI 16.11
- Butt weld ANSI 16.25
- Nipples P.E., BW
- Flanged ANSI 16.5

Full trunnion Split body

General features

- Full bore
- Soft seat / Metal Seat
- Self cavity pressure relief
- Bidirectional
- Fire safe
- Anti blow out stem
- Autoadjustable packing
- Double block and bleed
- Antistatic stem
- Spring loaded seat system
- Low emission design

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Face to face ANSI 16.10
- Testing ISO 5208, API 598 and API 6D upon request
- Material according NACE MR 0175
- Design ANSI B16.34, ISO 17292, API 6D
- Fire Safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)
- EN 161 & EN 23553

2” - 12” / Class 150-300

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A 216 WCC or A352 LCC	A351 CF8M
Ball	A351 CF8M	A351 CF8M
Seats	PTFE + C.G	PTFE + C.G
Stem	A 182 F51	A 182 F51
Stem packing	PTFE+ Graphite	PTFE + Graphite
Body seal 1	PTFE + CG	PTFE + CG
Body seal 2	Graphite	Graphite
O-Ring	Viton	Viton

Other materials, upon request.

Full trunnion 3 pieces

General features

- Full bore / Reduced bore
- Soft seat / Metal Seated
- Self cavity pressure relief
- Bidirectional
- Fire safe
- Anti blow out stem
- Split Body
- Autoadjustable packing
- Double block and bleed
- Antistatic stem
- Spring loaded seat system
- Low emission design
- In line packing maintenance

Standards

- Top flange ISO 5211
- Face to face ANSI 16.10
- Flanges ANSI 16.5
- Testing ISO 5208, API 598 and API 6D upon request
- Material according NACE MR 0175
- Design ANSI B16.34, ISO 17292, API 6D
- Fire Safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT (up to 16" CL900)
- ISO 15848 (up to 16" CL900)
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)

1/2"-12" / Class 2500
1/2"-16" / Class 1500
1/2"-20" / Class 900
1/2"-24" / Class 150-600

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A105/LF2	A 182 F316
Ball	A351 CF8M	A351 CF8M
Seats	PTFE + CG	PTFE + CG
Stem	A 182 F51	A 182 F51
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE + CG	PTFE + CG
Body seal 2	Graphite	Graphite
O-Ring	Viton	Viton

Other materials, upon request.

Ends connections

- Flanges RF, RTJ — ANSI 16.5
- Socket weld — ANSI 16.11
- Butt weld — ANSI 16.25

Three & four way

General features

- Floating Ball
- Guided Ball
- Trunnion
- Full bore
- Soft seat / Metal Seated
- L, T or X bore
- Antistatic stem
- Split Body
- Anti blow out stem
- Four seats
- Self cavity pressure relief
- Autoajustable packing
- Fire safe design

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Face to face standard Pekos
- Material according NACE MR 0175
- Testing ISO 5208, API 598 and API 6D upon request
- Design ANSI B16.34, ISO 17292, API 6D

Approvals

- PED 97/23/CE
- TA-LUFT
- ISO 15848
- ATEX (94/9/CE)
- EN 161 & EN 23553
- API 6D
- SIL 3 Capable (ICE 61508)

FLOATING:

- 1” - 4” / Class 300
- 1” - 8” / Class 150

TRUNNION:

- 1” - 24” / Class 150-600

Standard construction materials

Description	Material	
	Carbon steel	Stainnless steel
Body	A 216 WCC / F316	A 216 WCC / F316
Ball	A351 CF8M	A351 CF8M
Seats	PTFE / RPTFE	PTFE / RPTFE
Stem	AISI 316 / A182 F51	Graphite / Viton
Stem packing	PTFE + Graphite/Viton	PTFE + Graphite / Viton
Body seal	PTFE / RPTFE	PTFE / RPTFE

Other materials, upon request.

Wafer

General features

- Floating ball
- Full bore
- End entry
- Soft seat
- Bidirectional
- Fire safe
- Antistatic stem
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Testing ISO 5208, API 598 and API 6D upon request
- Material according NACE MR 0175
- Design API 6D, ANSI B16.34
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- TA-LUFT
- FIRE SAFE
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)

1/2” - 3” / Class 400

1/2” - 4” / Class 150

Standard construction materials

Description	Material	
	Carbon steel	Stainless steel
Body	A216 WCC	AISI 316
Ball	A351 CF8M	A351 CF8M
Seats	PTFE	PTFE
Stem	AISI 316	AISI 316
Stem packing	PTFE + Graphite	PTFE + Graphite
Body seal 1	PTFE	PTFE
Body seal 2	Graphite / Viton	Graphite + Viton
O-Ring	Viton	Viton

Other materials, upon request.

Cryogenic valve

General features

- Split body
- Floating Ball
- Guided Ball
- Full Trunnion
- Full bore
- Soft seat
- Spring loaded seat system
- Cleaned and degreased
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Antistatic stem
- Service Temp. to -196º
- Fire safe

Standards

- Top flange ISO 5211
- Flanges ANSI 16.5
- Face to face B16.10
- Materials according NACE MR 0175
- Testing BS 6364, API 598 & API 6D upon request
- Design ANSI B16.34, ISO 17292, API 6D
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)
- BS 6364 (Cryogenic)

FLOATING BALL:

- **1/2” - 2” / Class 600**
- **1/2” - 4” / Class 300**
- **1/2” - 8” / Class 150**

FULL TRUNNION:

- **1/2” - 2” / Class 2500**
- **12” - 16” / Class 1500**
- **1/2” - 20” / Class 900**
- **1/2” - 24” / Class 150-600**

Standard construction materials

Description	Material
	Stainless steel
Body	A351 CF8M / A 182 F316
Ball	A351 CF8M
Seats	KEL-F ®
Stem	XM-19 or AISI 316
Stem packing	PTFE + Graphite
Body seal 1	PTFE
Body seal 2	Graphite
O-ing	Viton

Other materials, upon request.

Metal seated

General features

- Floating Ball
- Guided Ball
- Full Trunnion
- Full Bore / Reduced Bore
- Bidirectional
- Anti blow out stem
- Autoadjustable packing
- Self cavity pressure relief
- Antistatic stem
- Fire safe
- Spring loaded seat system

Standards

- Top flange ISO 5211
- Flanges ANSI B16.5
- Face to face ANSI B16.10
- Material according NACE MR 0175
- Testing ISO 5208, API 598 and API 6D upon request
- Design ANSI B16.34, ISO 17292, API 6D
- Fire safe API 607, ISO 10497

Approvals

- PED 97/23/CE
- FIRE SAFE
- TA-LUFT (up to 16" CL900)
- ISO 15848 (up to 16" CL900)
- ATEX (94/9/CE)
- API 6D
- SIL 3 Capable (ICE 61508)

FLOATING BALL:

- 1/2" - 2" / Class 600
- 1/2" - 4" / Class 300
- 1/2" - 8" / Class 150

FULL TRUNNION:

- 1/2"-12" / Class 2500
- 1/2"-16" / Class 1500
- 1/2"-20" / Class 900
- 1/2"-24" / Class 150-600

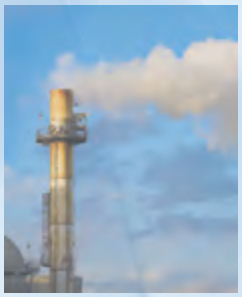
Standard construction materials

Description	Material	
	Carbon steel	Stainnless steel
Body	A105 / A216 WCC / F316	A3351 CF8M / F316
Ball	A351 CF8M+Cr Carbide	A351 CF8M +Cr Carbide
Seats	A351 CF8M+Cr Carbide	A351 CF8M +Cr Carbide
Stem	XM-19	XM-19
Stem packing	Graphite	Graphite
Body seal1	Graphite	Graphite
Body seal2	Graphite	Graphite

Other materials, upon request.

Approvals, certificates and quality control

All Pekos valves are designed, produced and certified by the most widely accepted international standards. Our total quality control system is designed to assure that every step from material procurement through machining, assembly, testing and packaging meet our main goal - Always exceeding the expectations of our customers.

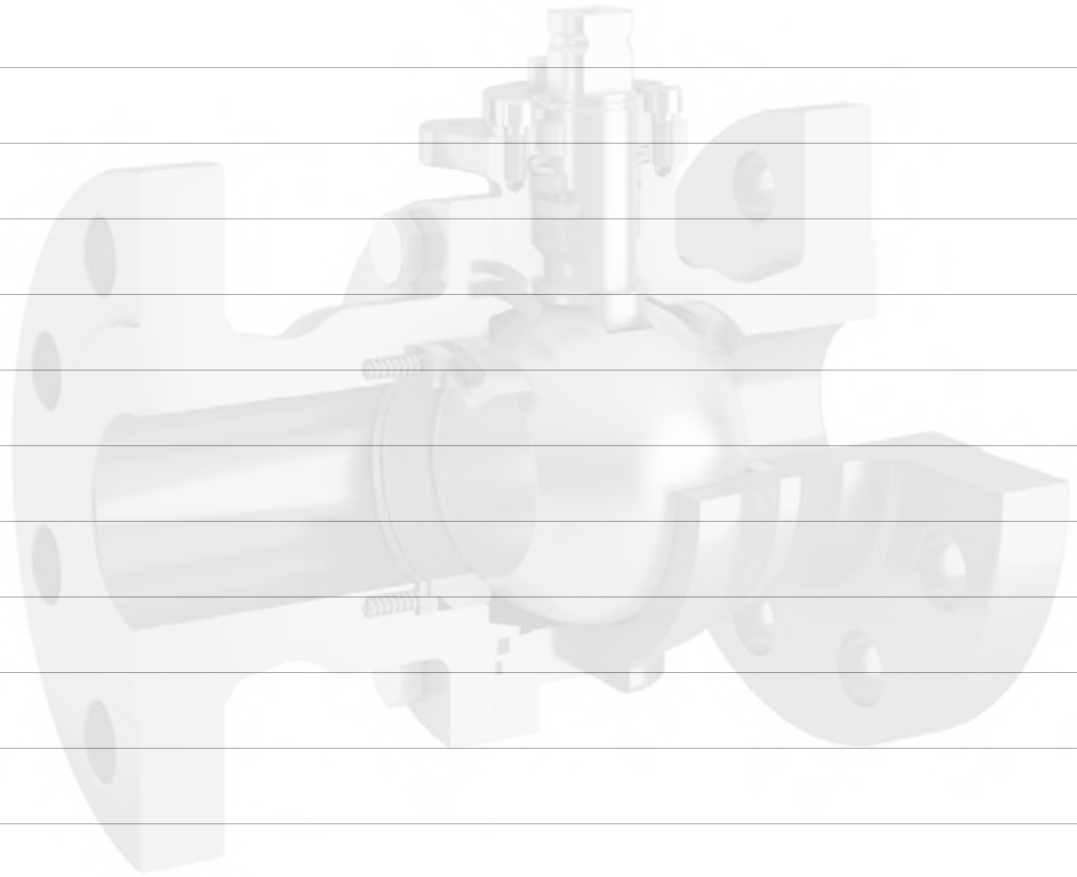


Pekos is supplying to more than 90 countries around the globe since 1988. This wide acceptance is testimony to the company's ability to understand and efficiently respond to the requirements of current global market.

Main end users

AIR LIQUID
ALFA LAVAL E
ANECO
ARKEMA
AKZO
ALROSA
ALSTOM
BAYER
BASF
BOREALIS
BOROUGE
BP
BP EXPLORATION
CEPSA
CIBA GEIGY
CLARIANT
CRAY VALLEY
DSM RESINS
EGYPT GAS
ENI
GDF
GAZPROM
GENERAL ELECTRIC
ICI
INEOS
KAO
KEMIRA
KUWAIT OIL
LYONDELL BASELL
LUKOIL
MESSER
MONSANTO
OMV
PDO
PETROBAS
PETROM
PETRONAS
PROCTER & GAMBLE
PULAWY
QAPCO
QATAR PETROLEUM
REPSOL
ROCH
ROMGAZ
SABIC
SASOL
SLOVNAFT
SHELL
SOLVAY
SONALGAZ
SONATRACH
SYNTHOS
STATOIL
YARA
TOTAL
TÜPRAS
UNI
VOPAK

Pekos



Pekos®
VALVES

www.pekos.es

Rec del Molinar, 9 - P.I. El Circuit
08160 Montmeló (Barcelona) - Spain

Tel.: (+34) 93 568 92 56

pekos@pekos.es

Member of
Pekos Group