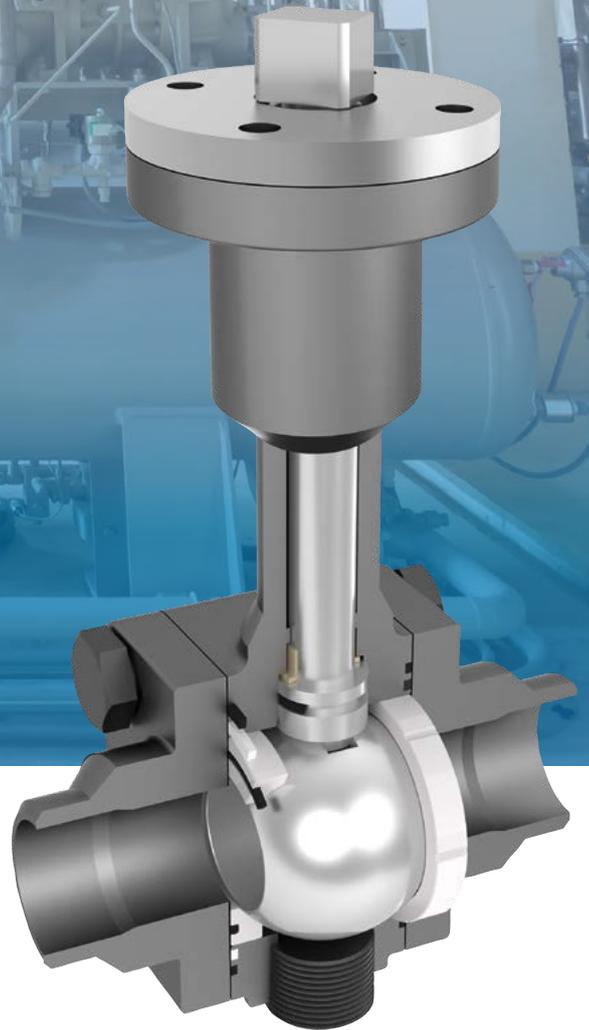


Industrial Refrigeration



 **Pekos**
V A L V E S

www.pekos.es

Pekos Ball Valve for industrial refrigeration. Effortless operation and minimal pressure drop.

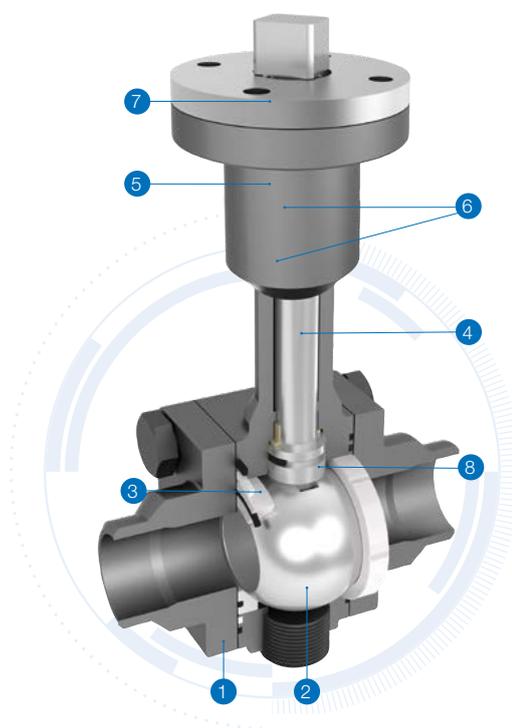
Designed for refrigeration installations using different types of refrigerants. Industrial refrigeration is crucial for maintaining operations across a variety of sectors, including food processing, storage, and logistics centers. These are highly specialized systems that maintain controlled temperatures to ensure both the quality of stored products and operational efficiency. Pekos guarantees durability, sealing, control and ease of maintenance.



Temperature Range:
From -40°C up to +150°C.

Materials

ITEM	DESCRIPTION
1	BODY
2	BALL
3	SEAT
4	STEM
5	PACKING
6	O-RING
7	SPRING WASHER
8	DRAIN PLUG



Size & Rating

ZF3KUV806/809 TTTGE

SIZE	RATING
DN15-80	PN40
1/2"-3"	CL300

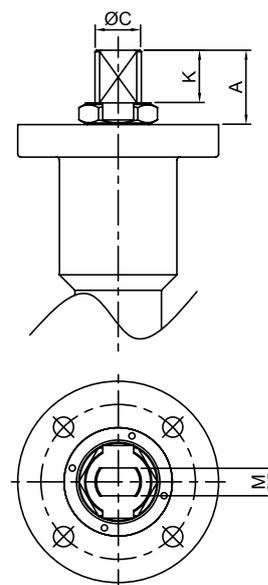
Automation Values

Breakaway Torque (Nm)

NPS	DN	PN40	CL300
1/2"	15	8	8
3/4"	20	12	13
1"	25	18	19
1 1/4"	32	20	21
1 1/2"	40	23	25
2"	50	36	39
2 1/2"	65	52	60
3"	80	64	74

Top flange ISO 5211

NPS F.B	NPS R.B	ISO5211	M	øC	A	K
1/2"	3/4"	F05	5,5	10	10	8
3/4"	1"	F05	7,5	12	18	12
1"	1 1/4"	F05	7,5	12	18	12
1 1/4"	1 1/2"	F05	9	15	24	17
1 1/2"	2"	F05	9	15	24	17
2"	2 1/2"	F05	9	15	24	17
2 1/2"	3"	F07	16	22	28	18
3"	4"	F07	18	24	37	19



Kv Values (m³/h)

NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
DN	15	20	25	32	40	50	65	80
F.B	16	32	42	78	102	230	385	590
R.B	10	18	36	45	80	118	235	395

Design Advantatges

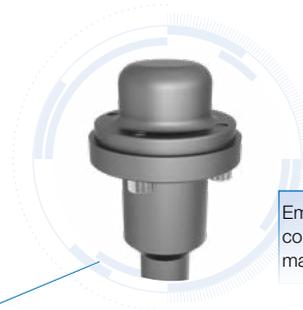
The minimal pressure drop translates to energy savings. The design minimizes the risk of fluid accumulation and liquid slugging. Without gearing in the refrigerant fluid—often contaminated with dirt, debris, and other particles—these ball valves are capable of safe operation with most refrigerants.



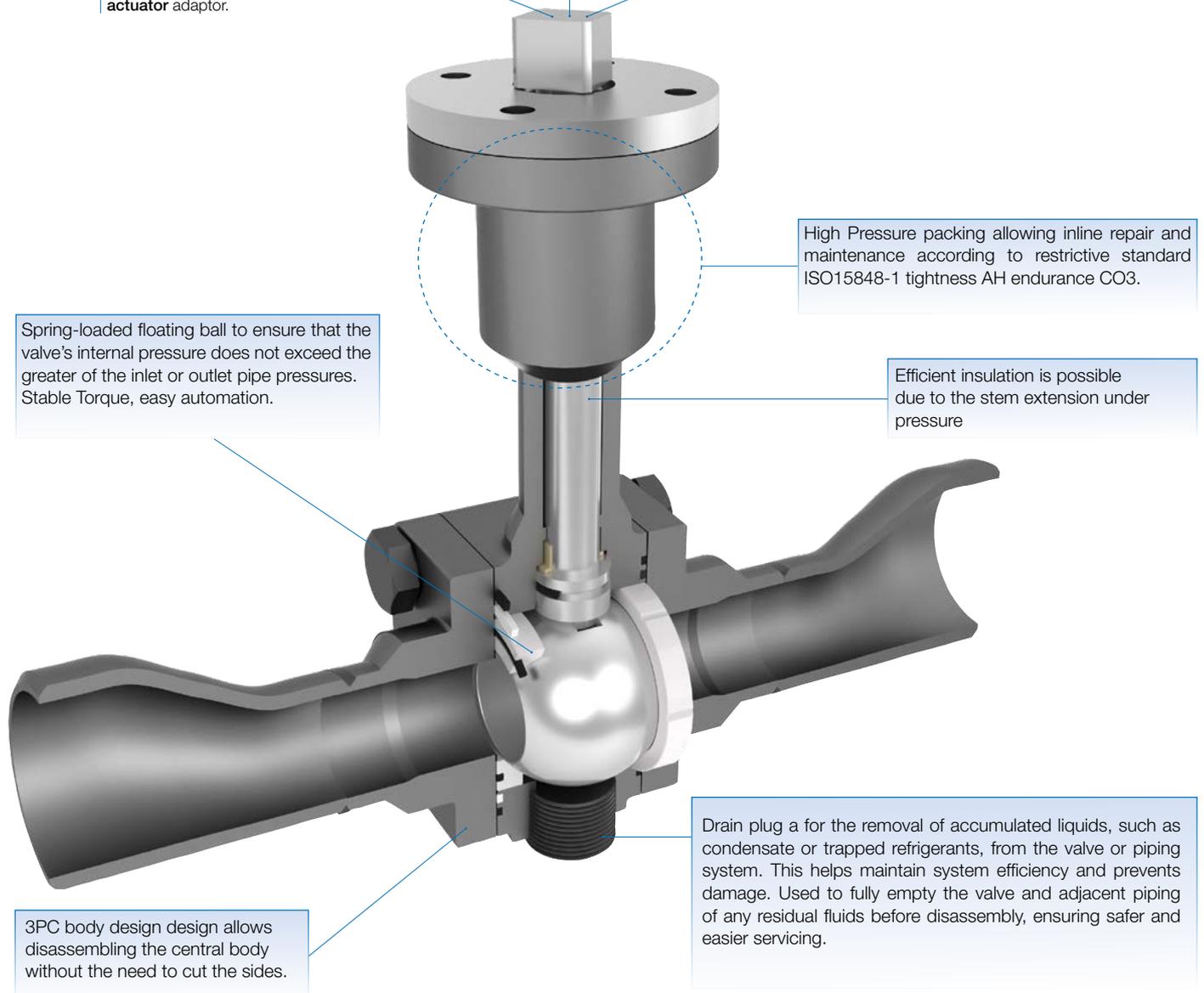
Automated using a pneumatic or electric actuator, adaptable with the same valve through an **actuator** adaptor.



Manual Actuation by use of **lever**.



Emergency **cap** for leak containment until maintenance can be done



Spring-loaded floating ball to ensure that the valve's internal pressure does not exceed the greater of the inlet or outlet pipe pressures. Stable Torque, easy automation.

High Pressure packing allowing inline repair and maintenance according to restrictive standard ISO15848-1 tightness AH endurance CO3.

Efficient insulation is possible due to the stem extension under pressure

Drain plug a for the removal of accumulated liquids, such as condensate or trapped refrigerants, from the valve or piping system. This helps maintain system efficiency and prevents damage. Used to fully empty the valve and adjacent piping of any residual fluids before disassembly, ensuring safer and easier servicing.

3PC body design design allows disassembling the central body without the need to cut the sides.



BALL VALVE FOR INDUSTRIAL REFRIGERATION



FIRE - SAFE



TA Luft
ISO 15848-1



ATEX DIRECTIVE
2014/34/EU



PED 2014/68/EU
CATEGORY III.
MODULE H



IEC 61508



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