



Cert. No. LRQ 0963008

ISO 9001

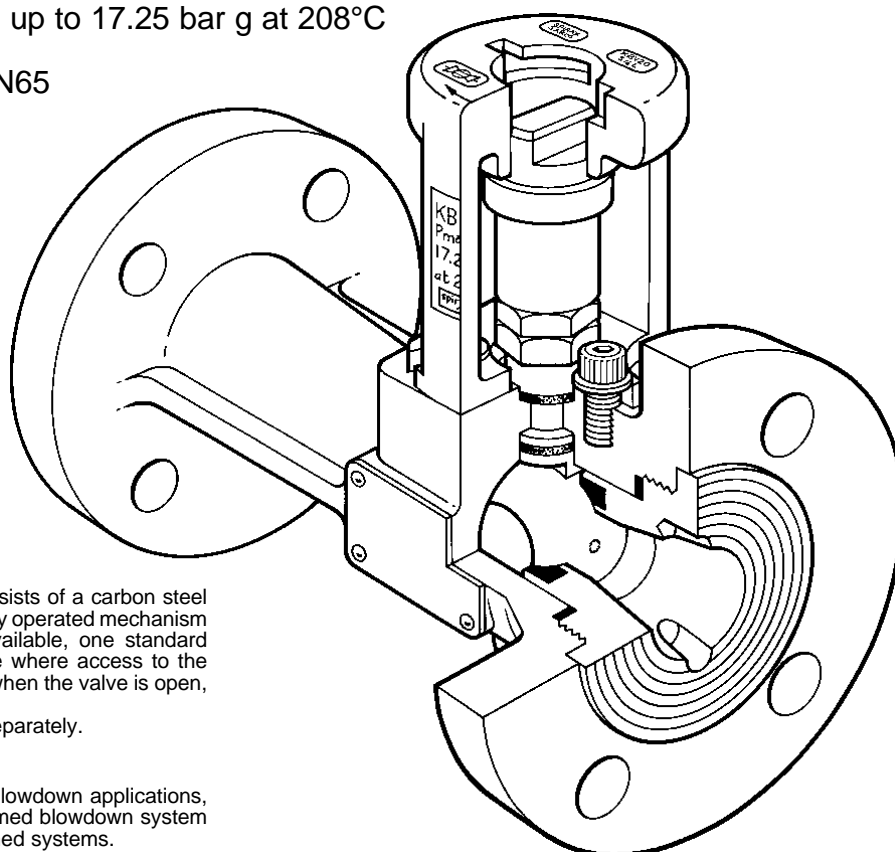
# spirax sarco

TI-P405-12

AB Issue 4

## KBV20 Key Operated Boiler Blowdown Valve

- Purpose designed for boiler blowdown applications
- Suitable for boiler pressures up to 17.25 bar g at 208°C
- Wide size range DN25 to DN65
- Key removable only when valve closed



### Description

The key operated boiler blowdown valve consists of a carbon steel ball valve with reinforced PTFE seats and a key operated mechanism in stainless steel. Two types of key are available, one standard length, and an extended 'T' bar type for use where access to the valve is limited. The key cannot be removed when the valve is open, to ensure compliance with boiler regulations.

**Note:** The key and the 'T' bar are supplied separately.

### Applications

The valve is specifically designed for boiler blowdown applications, and is particularly suitable for use where a timed blowdown system is not required. See separate literature for timed systems.

### Sizes and pipe connections

DN25, 32\*, 40, 50, 65.

Flanged BS 4504, PN40 or BS 1560 Class 300.

\* PN40 only.

### Limiting conditions

Maximum allowable pressure	17.25 bar g at 208°C
Designed for a cold hydraulic test pressure of:	60 bar g (PN40)
	78 bar g (class 300)
Seat leakage test	6 bar g (air under water)

### Materials

Part	Material
Body	Carbon steel ASTM A216 WCB
Seats and stem seals	Carbon reinforced PTFE
Ball	Austenitic stainless steel AISI 316
Stem	Stainless steel AISI 420 or 316
Housing	Austenitic stainless steel AISI 316L
Adaptor	Austenitic stainless steel AISI 316L
* Key	Austenitic stainless steel AISI 316L
* 'T' bar	Carbon steel

\* **Note:** The key and the 'T' bar are supplied separately.

Local regulations may restrict the use of this product to below the conditions quoted.  
In the interests of development and improvement of the product, we reserve the right to change the specification.

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## Dimensions/weights (approximate) mm and kg

Size	A	B	C	D	E	F	Weight
DN25	165	114	35	-	-	21	6.0
DN32	178	117	35	-	-	23	7.5
DN40	190	126	35	-	-	31	9.8
DN50	216	134	35	-	-	38	12.0
DN65	241	146	35	-	-	51	18.0

\* Standard key 32 258

\* 'T' bar key 500 375

\* **Note:** The key and the 'T' bar are supplied separately.

## How to specify

Boiler blowdown valves shall be Spirax Sarco key operated type KBV20 with cast steel bodies and flanged connections. Keys shall be supplied in either standard or 'T' bar design to comply with boiler house regulations.

## How to order

**Example:** 2 off Spirax Sarco DN40, KBV20 key operated boiler blowdown valves having flanged BS 4504 PN40 connections.  
1 off Standard key for a KBV20.

## Spare parts

A complete spares kit is available, which includes all seals and gaskets, and a valve ball.

**Caution:** The vent hole in the ball must be on the upstream side of the valve.

Spare valve stems are also available. To order quote the valve type, application (e.g. boiler blowdown) and nominal size (DN).

