

# THERMOSTATIC EXPANSION VALVES

## Sporlan BQ Series Balanced Port Interchangeable Cartridge

### Valve Bodies

Airefrig Part Number	Description
BQSAE	Internally Equalised – 3/8 Flare & 1/2 Flare
BQESAE	Externally Equalised – 3/8 Flare, 1/2 Flare & 1/4 Flare Ext Equal.
EBQODS	90° Tube Inlet Internally Equalised – 3/8 ODF & 1/2 ODF
EBQEODS	90° Tube Inlet Ext Equal. – 3/8 ODF, 1/2 ODF & 1/4 ODF Ext Equal
SBQODS	90° Deg Forged Inlet Internally Equalised – 3/8 ODF & 1/2 ODF
SBQEODS	90° Forged Inlet Ext Equal. – 3/8 ODF, 1/2 ODF & 1/4 ODF Ext Equal



### Power Elements

Airefrig Part Number	Description
KT43----	Selection of Power Elements on Bottom of Page



### Valve Cartridge

Airefrig Part Number	Description
QAAA	Q Cartridge – QAAA Red
QAA	Q Cartridge – QAA Yellow
QA	Q Cartridge – QA Blue
QB	Q Cartridge – QB Pink
QC	Q Cartridge – QC White



### BQ Valve Nominal Capacities

Cartridge		Nominal Capacity KW		
Number	Colour	R134a	R22	R404A
QAAA	Red	0.4 to 0.7	0.4 to 1.2	0.4 to 0.7
QAA	Yellow	0.9 to 1.2	1.7 to 2.3	0.9 to 1.2
QA	Blue	1.7 to 3.5	2.6 to 5.3	1.7 to 3.5
QB	Pink	4.4 to 6.1	6.1 to 10.5	4.4 to 7.0
QC	White	7.0 to 10.5	11.4 to 19.3	7.9 to 10.5



### KT43 Element Wrench

Airefrig Part Number	Description
180390	KT43 Element Wrench

## Recommended Thermostatic Charges (Power Elements)

Airefrig Part Number	Air Conditioning		Commercial Refrigeration 10C to -25C					Low Temperature Refrigeration -20C to -40C			
	R22	R134a	R22	R134a	R404A	R507	R717	R22	R404A	R507	R717
KT23----							AC AL				AZ AL
KT33----		JCP60	VC	JC	SC	PC		VZP40	SZ SZP	PZ PZP	
KT43----	VGA		VC	JC	SC	PC		VCZ VZP40	SZ SZP	PZ PZP	
KT63----	VCP100	JCP60	VC	JC	SC	PC			SZ SZP	PZ PZP	
KT83----	VCP100	JCP60	VC	JC	SC	PC		VZ VZP40	SZ SZP	PZ PZP	
KT83----								VX			

