



Cert. No. LRQ 0963008

ISO 9001

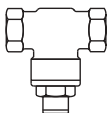
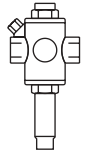
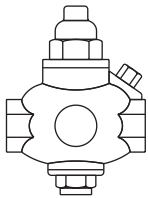
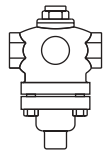
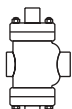
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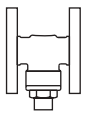
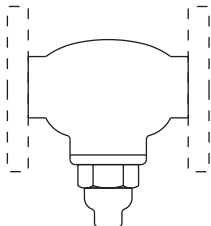
CH Issue 3

## Normally Closed Self-acting Control Valve Body Range

### Gunmetal with stainless steel trim

Style and Material	Maximum lift K <sub>v</sub>	Connections Screwed BSP	Flanged	Body design rating	Differential pressure bar	Stroke mm	Maximum operating temperature °C (without spacer)**
 <b>BXRA</b> without bleed	0.59	½"	—	PN25	10.3	3.2	232
 <b>SBRA</b> with or without bleed	2.58	½"	—	PN25	12.0	3.2	232
	3.86	¾"	—	PN25	7.0	4.0	232
	6.80	1"	—	PN25	4.7	5.0	232
 <b>KX51</b> unbalanced with or without bleed	9.80	1"	—	PN25	3.5	5.6	232
	16.48	1¼"	—	PN25	2.3	8.0	232
	23.70	1½"	—	PN25	1.7	9.0	232
	34.00	2"	—	PN25	1.1	9.5	232
 <b>KY51</b> balanced with or without bleed	16.48	1¼"	—	PN25	9.0*	8.0	232
	23.70	1½"	—	PN25	8.2*	9.0	232
	34.00	2"	—	PN25	6.9*	9.5	232
 <b>NSRA</b>	65.00	2½"	DN65	PN25	2.7	9.5	232
	94.00	3"	DN80	PN25	2.0	9.5	232

### Cast iron with stainless steel trim

 <b>BMFRA</b> without bleed	0.59	—	DN15	PN16	10.3	3.2	232
 <b>KX31 and KY31</b> unbalanced with or without bleed	2.90	½"	DN15	PN16	12.0	3.2	220
	4.64	¾"	DN20	PN16	7.0	4.0	220
	9.80	1"	DN25	PN16	3.5	5.6	220
	16.48	1¼"	DN32	PN16	2.3	8.0	220
	23.70	1½"	DN40	PN16	1.7	9.0	220
	34.00	2"	DN50	PN16	1.1	9.5	220
	16.48	1¼"	DN32	PN16	9.0*	8.0	220
<b>KY31 and KY33</b> balanced with or without bleed	23.70	1½"	DN40	PN16	8.2*	9.0	220
	34.00	2"	DN50	PN16	6.9*	9.5	220

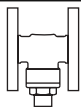
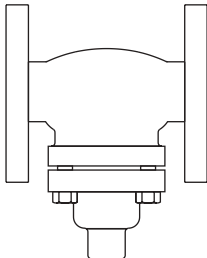

\* These valves can also be used on water for high Δp conditions.

\*\* For increased temperature using a spacer refer to the relevant Technical Information sheet (TI).

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.

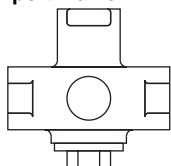
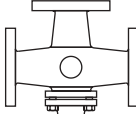
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## Cast steel with stainless steel trim

Style and Material	Maximum lift K <sub>v</sub>	Connections Screwed BSP	Connections Flanged	Body design rating	Differential pressure bar	Stroke mm	Maximum operating temperature °C (without spacer)**
 <b>BMRA</b> without bleed	0.59	—	DN15	PN25	10.3	3.2	232
	2.90	—	DN15	PN40	12.0	3.2	232
 <b>KX43</b> unbalanced	4.64	—	DN20	PN40	7.0	4.0	232
	9.80	—	DN25	PN40	3.5	5.6	232
	16.48	—	DN32	PN40	2.3	8.0	232
	23.70	—	DN40	PN40	1.7	9.0	232
	34.00	—	DN50	PN40	1.1	9.5	232
	16.48	—	DN32	PN40	9.0	8.0	232
 <b>KY43</b> balanced	23.70	—	DN40	PN40	8.2	9.0	232
	34.00	—	DN50	PN40	6.9	9.5	232

## 3-port Self-acting Control Valve Body Range

### Gunmetal with gunmetal trim

Style and Material	Maximum lift K <sub>v</sub>	Connections Screwed BSP	Connections Flanged	Body design rating	Differential pressure bar	Stroke mm	Maximum operating temperature °C (without spacer)**
<b>3-port valve</b>  <b>TW</b>	4.64	¾"	—	PN25	3.4	2.7	200
	8.96	1"	—	PN25	3.4	4.3	200
	20.29	1½"	—	PN25	3.4	5.9	200
	41.20	—	DN50	PN25	2.7	7.7	200
<b>3-port valve</b>  <b>TW</b>	41.20	—	DN50	PN16	2.7	7.7	200
	98.00	—	DN80	PN16	2.7	12.4	200
	118.00	—	DN100	PN16	2.7	13.9	200

**N.B.** - Three port valves cannot be used on steam.

\*\* For increased temperature using a spacer refer to the relevant Technical Information sheet (TI).