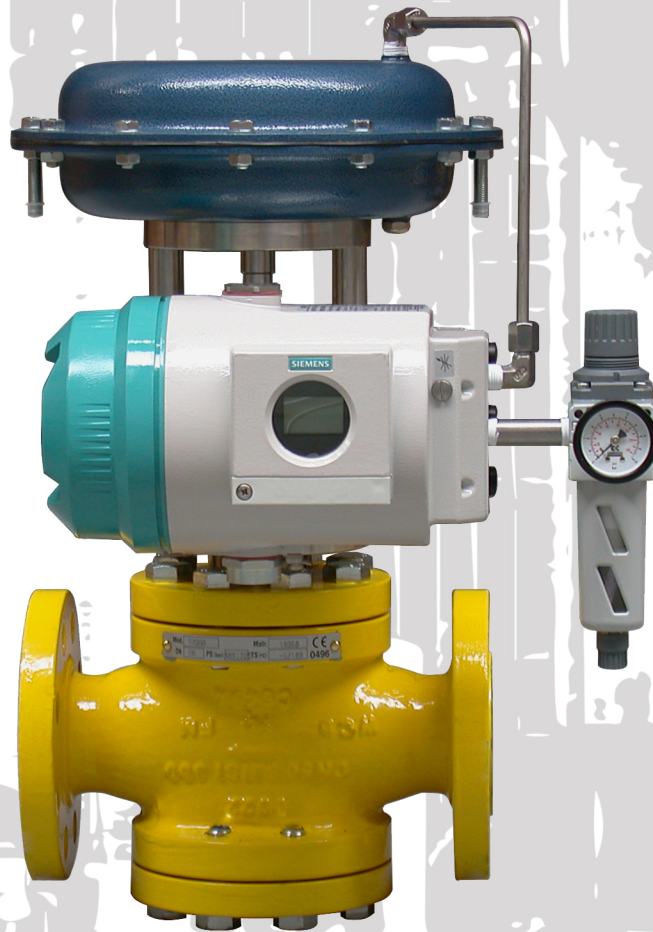




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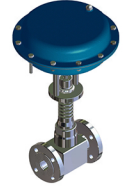
Pressure | Temperature | Flow

Control Valves





Series	500	800/2000	803/2003	1000	3000
Diameter	DN15-DN100	DN15-DN150 1/2"-6"	DN15-DN150 1/2"-6"	DN8-DN150 3/8"-6"	DN6-DN25 1/4"-2"
Pressure Rating	PN16	PN16-40 ANSI 150-300	PN16-40 ANSI 150-300	PN16-25 ANSI 150	PN40-100 ANSI 150-600
Body Material	GGG40 316 (CF8M)	GGG40 A216 Gr. WCB 316 (CF8M)	GGG40 A216 Gr. WCB 316 (CF8M)	316 SS	316L SS Hastelloy Monel Super Duplex
Trim Material	316L Soft Seat	316L Soft Seat 316L Stellite/17-4PH Monel/HAC	316L Soft Seat 316L Stellite/17-4PH Monel / HAC	316L Soft Seat 316L	316L Soft Seat 316L Stellite/17-4PH Monel/HAC
Connections	DIN Flange	DIN Flange ANSI Flange Weld End	DIN Flange ANSI Flange Weld End	DIN Flange ANSI Flange Weld End Clamp End	DIN Flange ANSI Flange Weld End Clamp End
Cv Range	4-160	0.1-300	0.1-300	4-490	0.01-48
Description	General Service control valve. Used for liquids and gases up to 16 bar and steam up to 13 Bar.	Heavy Duty control valve. Used for all media in a wide temp. range	3 Way Heavy Duty control valve. Used for all media in a wide temp. range. Diverting or mixing trim available.	Free Flow control valve with high capacity. Standard with 316 stainless steel valve body	Low flow control valve. Due to flexible construction the valves are easily adapted to different connections



Series	3003	3500	3-Way	Bellow Seal	High Temp.
Diameter	DN6-DN25 1/4"-2"	1/4"	DN15-DN150 1/2"-6"	DN15-DN150 1/2"-6"	DN15-DN150 1/2"-6"
Pressure Rating	PN40-100 ANSI 150-600	PN40-100 ANSI 150-600	PN16-40 ANSI 150-300	PN16-40 ANSI 150-300	PN16-40 ANSI 150-300
Body Material	316L SS Hastelloy Monel Super Duplex	316L SS Hastelloy Monel Super Duplex	GGG 40 A216 Gr. WCB 316 (CF8M)	GGG 40 A216 Gr. WCB 316 (CF8M)	GGG 40 A216 Gr. WCB 316 (CF8M)
Trim Material	316L Soft Seat 316L Stellite/17-4PH Monel/HAC	316L Soft Seat 316L Stellite/17-4PH Monel/HAC	316L Seat Soft 316L Stellite/17-4PH	316L Seat Soft 316L Stellite/17-4PH	316L Stellite/17-4PH Monel/HAC
Connections	DIN Flange ANSI Flange Weld End Clamp End	Threaded Weld End	DIN Flange ANSI Flange Threaded Weld End Clamp End	DIN Flange ANSI Flange Threaded Weld End Clamp End	DIN Flange ANSI Flange Threaded Weld End Clamp End
Cv Range	2.5-48	0.01-0.3	0.1-300	0.1-300	0.1-300
Description	3-Way Low flow control valve in 316 stainless steel. Due to flexible body construction the valves are easily adapted to different connections	Micro Flow control valves in 316 stainless steel. Stainless steel actuator as standard. Compact construction	Used for mixing or diverting	Used for toxic or corrosive media. Also suitable for hot oil applications. Double or triple wall bellows up to PN40. Zero emission	Suitable for high temp. applications up to 350°C

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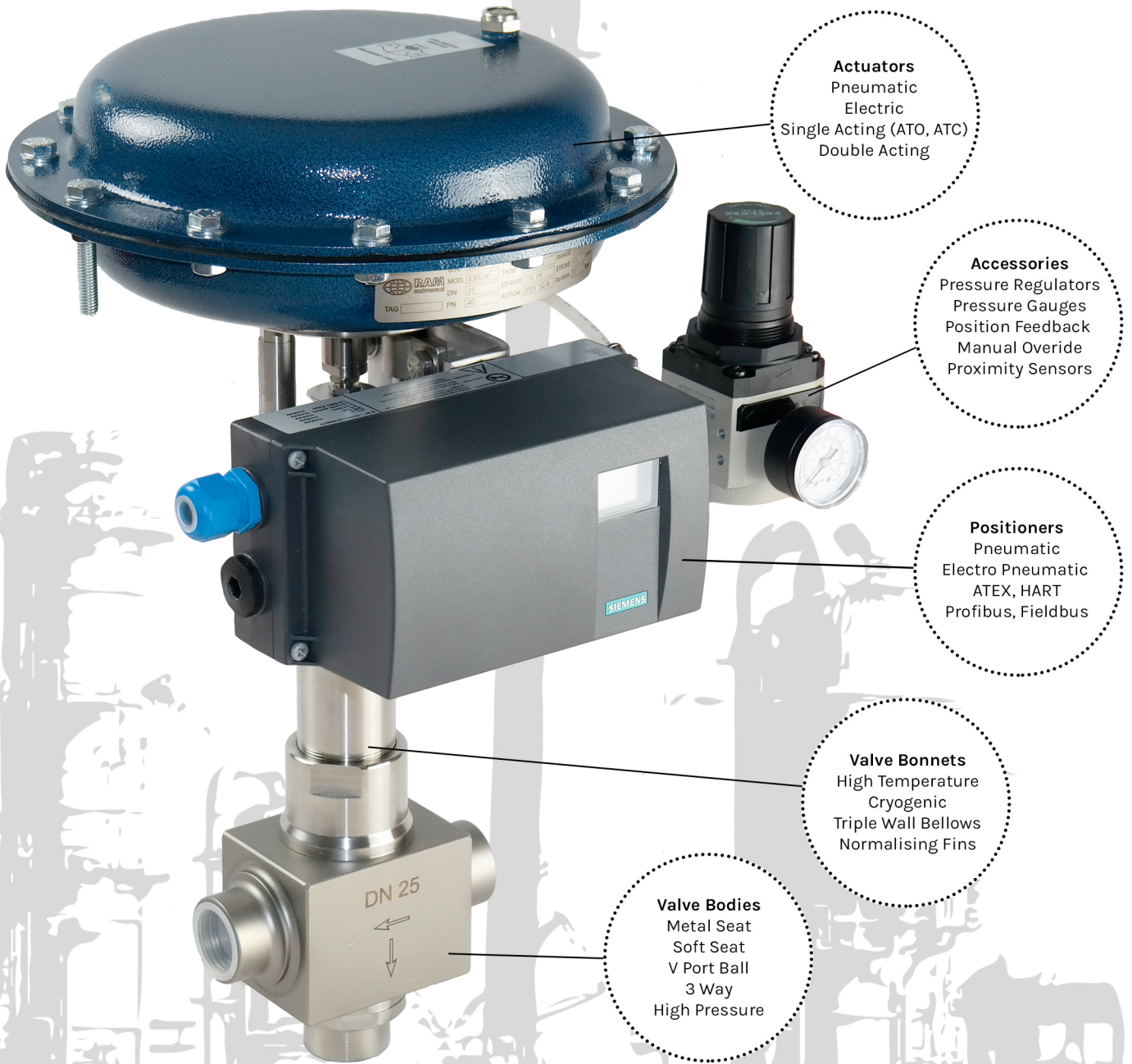
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Pressure | Temperature | Flow



Series	Cryogenic	Low Noise	RSS	KNR/KNAR	V Ball
Diameter	DN15-DN150 1/2"-6"	DN15-DN150 1/2"-6"	DN25-DN150 1/2"-6"	1/2" to 8"	DN6-DN100 1/4"-4"
Pressure Rating	PN16-40 ANSI 150-300	PN16-40 ANSI 150-300	PN16 ANSI 150	ANSI 150	ANSI 150-2500
Body Material	316 SS	GGG 40 A216 Gr. WCB 316 (CF8M)	EN-JS 1049 ASTM A395 (fully PFA lined)	EN-JS1049/ ASTM A395 1.4408/CF8M (fully PFA lined)	Carbon Steel Stainless Steel Hastelloy Alloy 20 Monel Duplex
Trim Material	316L Seat Soft 316L Stellite/17-4PH	316L Stellite/17-4PH	PFA/PTFE TFM	PFA/PTFE	Metal Seat Soft Seat
Connections	DIN Flange ANSI Flange Threaded Weld End Clamp End	DIN Flange ANSI Flange Threaded Weld End Clamp End	DIN Flange ANSI Flange	DIN Flange ANSI Flange	Screwed Weld End Flanged Clamp End
Cv Range	0.1-300	4-300	0.012-360	0.12-466	0.05-360
Description	Suitable for Cryogenic services temp to -196°C	Control valve with low noise trim	The RSS/F features a PTFE bellows seal and secondary TA Luft approved stuffing box, carbon/PTFE seat and plug as standard. =% linear and quadratic characteristics	The KNR/KNAR features self adjusting ENVIPACK TA Luft approved stuffing box, reduced cavity seat rings Virgin PTFE. =% characteristics	The VAAS V ported control valve provides low pressure drop and high CV values with its straight flow design, designed in accordance with ANSI B.16.34

Actuation, Accessories & Options



Actuators
 Pneumatic
 Electric
 Single Acting (ATO, ATC)
 Double Acting

Accessories
 Pressure Regulators
 Pressure Gauges
 Position Feedback
 Manual Override
 Proximity Sensors

Positioners
 Pneumatic
 Electro Pneumatic
 ATEX, HART
 Profibus, Fieldbus

Valve Bonnets
 High Temperature
 Cryogenic
 Triple Wall Bellows
 Normalising Fins

Valve Bodies
 Metal Seat
 Soft Seat
 V Port Ball
 3 Way
 High Pressure

Note: We have only listed the more typical valve, actuator and control valve accessory options. Please contact us for further information.

<p>Actuators</p>	<p>RAM control valves are mounted with pneumatic actuators as standard. Single acting (ATO, ATC) or double acting. Optionally the actuators can be supplied in complete stainless steel.</p>
<p>Electric Actuators</p>	<p>RAM control valves can be mounted with electric actuators for control or on/off purposes. (400V, 230V, 24V AC/DC) We have a close co-operation with specialized suppliers as Haselhofer, Auma, Sauter, Rotork and EIM.</p>
<p>Valve Positioners</p>	<p>All possible valve positioners can be mounted on the valves. From stock we supply Siemens and SMC valve positioners. Other manufacturers available on request to suit site specification.</p>

RAM Universal Ltd. have been supplying high quality and bespoke valve and control solutions throughout Europe since 1982. We concentrate on the supply of all types of valves into the process industry and can design and manufacture one off solutions to meet specific customer requirements. We pride ourselves on the technical knowledge which we have gained since our conception and we are confident we supply a valve or control solution to fit almost any process condition.

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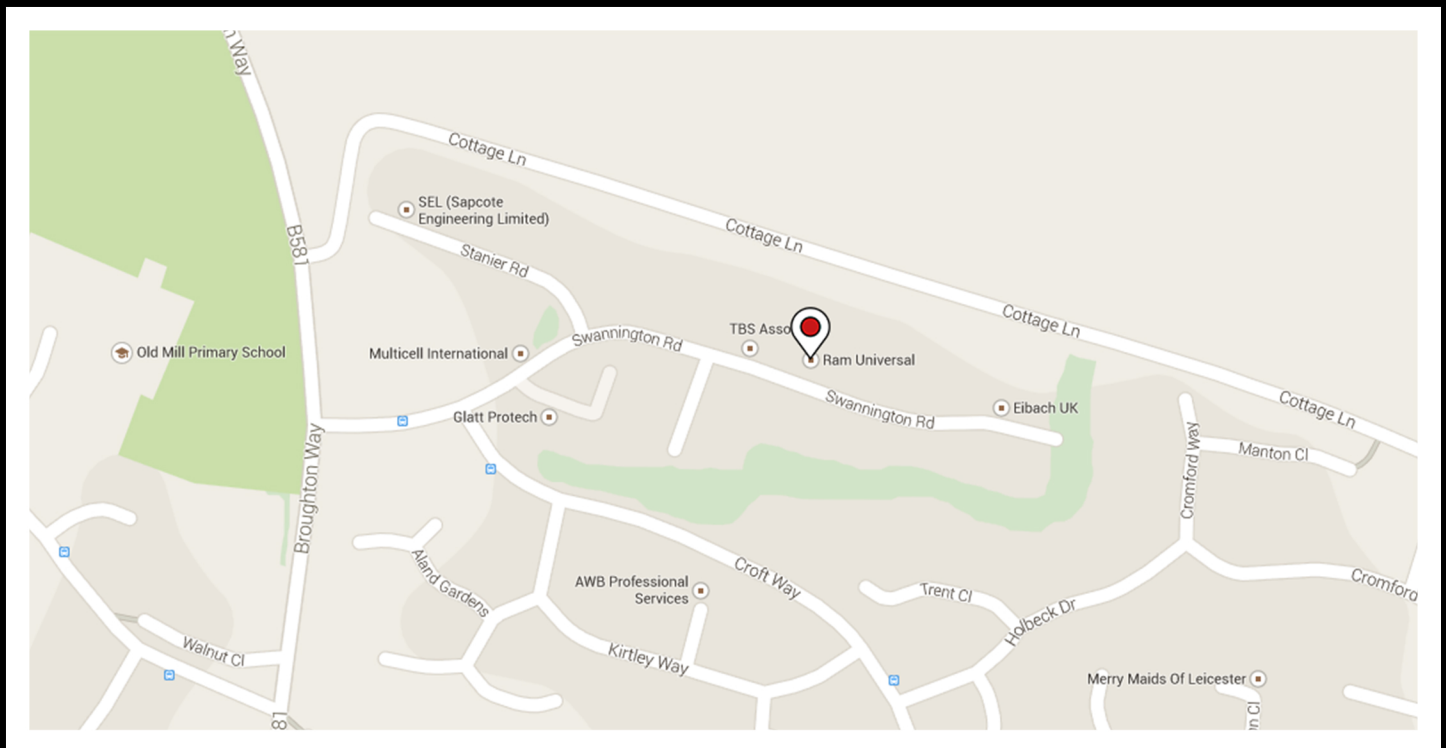


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