

Keeping the World Flowing for Future Generations

## RC200 Range





# Reliability in critical flow control applications



# Reliable operation when it matters

Assured reliability for critical applications and environments. Whether used 24/7 or infrequently, Rotork products will operate reliably and efficiently when called upon.

## Quality-driven global manufacturing

Products designed with 60 years of industry and application knowledge.

Research and development across all our facilities ensures cutting edge products are available for every application.

# Customer-focused service worldwide support

Solving customer challenges and developing new solutions.

From initial enquiry through to product installation, long-term after-sales care and Client Support Programmes (CSP).

# of ownership

Long-term reliability prolongs service life.

Rotork helps to reduce long term cost of ownership and provides greater efficiency to process and plant.

## RC200 Range

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## **Comprehensive product range** serving multiple industries

Improved efficiency, assured safety and environmental protection.

Rotork products and services are used throughout industry inclusive of Power, Oil & Gas, Water & Wastewater, HVAC, Marine, Mining, Pulp & Paper, Food & Beverage, Pharmaceutical and Chemical industries around the world.

## Market leader technical innovator

The recognised market leader for 60 years.

Our customers have relied upon Rotork for innovative solutions to safely manage the flow of liquids, gases and powders.

# Global presence local service

Global company with local support.

Manufacturing sites, service centres, sales offices and *Centres of Excellence* throughout the world provide unrivalled customer services and fast delivery.

# Corporate social responsibility

A responsible business leads to being the best business.

We are socially, ethically, environmentally responsible and committed to embedding CSR across all our processes and ways of working.

**rotork**°

## **RC200 Compact Scotch-Yoke Actuators**

The Rotork RC200 pneumatic actuator features a modern scotch-yoke mechanism that provides high start- and end-torque output in a very compact package. It is available in both doubleacting and spring-return configurations with an optional integral manual override.

The spring-return actuators feature epoxy-coated springs contained within an anodised cartridge. Pistons are guided in three places by high performance bearing materials which ensure proper alignment, long seal life and smooth operation.

RC200 actuators have the lowest weight and the smallest external dimensions of any actuator with an equivalent torque output. This yields a compact and light yet robust valve / actuator package, particularly when a manual override solution is required. Another benefit is that they have less stroke volume than comparable rack and pinion actuators, providing a significant saving in the use of compressed air.

### Quality

RC200 actuators are manufactured under strict quality control in an ISO 9001 / 14000 environment. They comply with all standard international requirements and are CE marked according to PED and ATEX. We use only top-quality materials in a precisely engineered and manufactured product so our actuators are very long lasting. We are proud to provide a unique three-year warranty.

#### Efficiency

Unlike rack and pinion designs often offered by our competitors, the RC200 with its scotch-yoke drive gives at least 50% more torque in the end positions, where most valves require it.

#### Reliability

Every Rotork actuator is built to provide long and efficient service with a minimum of maintenance. The design, engineering and materials used in their construction ensure optimum performance even in the harshest of environments. As a global leader in valve actuation technology, we provide a comprehensive range of valve actuators, controls and associated equipment. We also supply a variety of valve actuator services including commissioning, preventive maintenance and retrofit solutions.

Rotork specialises in the production and support of fluid power actuators and control systems. We are dedicated to providing the marketplace with the latest technology, consistently high quality, innovative design, excellent reliability and superior performance.

We maintain dedicated engineering groups for Applications, Product Improvement and New Product Development so that our customers can gain all the benefits that ever advancing technologies have to offer and to ensure our efforts are in step with the continually evolving needs of our customers.

Most importantly, we have a long-standing commitment to meeting the special needs of a wide range of applications including: oil and gas exploration and transportation; municipal water and wastewater treatment; power generation; and the chemical and process industries.

With over 60 years of engineering and manufacturing expertise, we have tens of thousands of successful valve actuator installations throughout the world.



## **Fitting Accessories**

#### The Right Accessory Solutions

Valves and actuators perform to best effect when the correct solution is expertly engineered. With decades of experience engineering fluid power valve automation for a multitude of applications and markets, you can depend on Rotork to provide a reliable and safe automation solution to meet your requirements.



## **Specifications**

## Specifications

<b>Operating Pressure:</b>	2-10 bar	(30-145 psi)						
Torque Output:	Up to 4,400 Nm	(39,000 lbf.in)						
Temperature Ranges (Actuators Remain Air Tight):								
Standard:	-20 to +80 °C	(-4 to +175 °F)						
High:	0 to +150 °C	(+32 to +300 °F)						
Low:	-40 to +60 °C	(-40 to +140 °F)						

Low:	-40 to +60 °C	(-40 to +140 °F)
Arctic:	-47 to +60 °C	(-52 to +140 °F)
Note: All RC200	actuators withstand tem	peratures down to

-55 °C (LTA -60 °C) before mechanical operation is impaired.

## Standards:

Solenoid valve connection:	NAMUR
Fitting accessories:	VDI/VDE 3845, NAMUR
Fitting to valve:	Hole pattern, centering ring ISO 5211, DIN 3337, NAMUR
Stardrive shaft:	ISO 5211 with 90° $\Box$ and DIN 79 with 45° $\diamondsuit$ and NAMUR

Certified suitable for use at SIL 2 and SIL 3 as a single device in accordance with IEC 61508.



## Inside The RC200 Actuator

#### **Extra Corrosion Protection:**

RCT: hard anodise / low friction polymer treatment.

Epoxy coating.

Offshore or other finish to meet customer specifications.

Stainless screws and drive shaft (standard for RC210 - 260).



Notes	1) For actuator sizes 220, 240, 260 and 280: The double amount of details. 2) RC240 has triple roll pins. 3) RC270–280 have a slotted pin in steel.
	<ol> <li>4) Not in the picture. Do not exist for sizes 220, 240, 260 and 280.</li> <li>5) Only for sizes 270 and 280, not in the picture. 6) Included in seal kit.</li> </ol>

t Not shown in diagram

#### **Operating Medium:**

Air, inert gases (non-dangerous fluids, group 2 according to directive PED 97/23/EC). RC200 actuators are also available for water or oil hydraulics.

**CE Marking:** CE marked according to PED and ATEX.

Item	Description	Qty DA	Qty SR	Material
1	Adjusting screw <sup>1</sup>	1	-	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
2	Lock nut <sup>1</sup>	1	-	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
3	O-ring <sup>1,6</sup>	1	-	Nitrile
4	Screw	8-16	8-16	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
5	End plate with centre hole <sup>1</sup>	1	-	Anodised and powder coated aluminium
6	O-ring <sup>6</sup>	2	2	Nitrile
7	Actuator body (cylinder)	1	1	Anodised aluminium
8	Scotch Yoke	1	1	Steel
9	Piston guide (support element) <sup>1,6</sup>	1	1	РОМ
10	Piston <sup>1</sup>	1	1	Aluminium
11	Roll pin, double <sup>2,3</sup>	1	1	Spring steel
12	O-ring <sup>1,6</sup>	1	1	Nitrile
14	Support band - Piston guide ring <sup>1,6</sup>	1	1	Polymer material
15	Driving shaft	1	1	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
16	Bearing, upper	1	1	Polymer material
17†	End plate without centre hole <sup>4</sup>	1	1	Powder coated aluminium
18	O-ring, upper <sup>6</sup>	1	1	Nitrile
19	Bearing, upper (support ring)	1	1	Polymer material
20	Piston pin <sup>1</sup>	1	1	Steel
21	Piston roller <sup>1</sup>	1	1	Steel
22	Spring guide	-	1	Aluminium
23	Spring, external <sup>1</sup>	-	1	Alloyed spring steel, powder coated
24†	Spring, internal <sup>1,5</sup>	-	1	Alloyed spring steel, powder coated
25	Spring housing <sup>1</sup>	-	1	Anodised and powder coated aluminium
26	Pre-tensioning screw <sup>1</sup>	-	1	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
27	Indicator	1	1	Polymer material
28	O-ring <sup>1,6</sup>	-	1	Nitrile
29	Lock nut <sup>1</sup>	-	1	Size 210–260: Stainless steel. Other sizes: Zinc plated steel
30	Marking washer <sup>1</sup>	-	1	Anodised aluminium
31	Retaining ring, upper <sup>6</sup>	1	1	Spring steel, corrosion protected
32	Middle washer <sup>6</sup>	1	1	Stainless steel
33	Support washer, upper <sup>6</sup>	1	1	Polymer material, chemically resistant
34	Cylinder housing bore seal	1	1	Size 210-240: Stainless steel. Other sizes: Nitrile
35	Support ring, lower	1	1	Polymer material
36	Bearing, lower	1	1	Polymer material
37	Guide ring	1	1	Polymer material
38	O-ring, lower <sup>6</sup>	1	1	Nitrile
39	Support washer, lower <sup>6</sup>	1	1	Polymer material, chemically resistant
40	Retaining ring, lower <sup>6</sup>	1	1	Spring steel, corrosion protected

## Dimensions







	Dimensions (mm)										We	eight										
			Fig. 1					Fig. 2				Fig. :	3				Fig. 4	/4a			(	<g)< th=""></g)<>
Model	HC 1	HC 2	HC 3	Y**	Z	А	В	A1	B1	н		К	Μ	Ν	С	E		G	U*	V	DA	SR
RC210	F05	F07	-	14	19	45	98	45	150	10	35.4	35.4	40	30	32	41	75	16	35	2	1.2	1.5
RC220	F05	F07	-	14	19	98	98	150	150	10	80	30	-	-	32	41	75	16	35	2	1.6	2.2
RC230	F07	F10	-	17	30	65	135	65	200	16	80	30	-	-	49	55	110	25	55	3	3.5	4.2
RC240	F07	F10	-	22	30	135	135	200	200	16	80	30	-	-	49	55	110	25	70	3	4.9	7.0
RC250	F10	F12	-	22	37	90	190	90	285	22	80	30	-	-	69	75	155	35	70	3	9.4	12.4
RC260	F10	F12	-	27	37	190	190	285	285	22	80	30	-	-	69	75	155	35	85	3	12.5	18.5
RC265	F12	-	-	27	37	195	195	317	317	22	80	30	-	-	76	76	202	35	85	3	18.8	26.6
RC270	F14	-	170 x 110	36	64	145	300	145	510	40	130	30	-	-	110	110	248	60	100	4	32.0	45.0
RC280 <sup>+</sup>	F12	F16	234.7 x 97.2	46	64	300	300	510	510	40	130	30	-	-	110	110	248	60	130	5	42.0	68.0

 $\dagger$  = Also includes valve mounting pattern of 300 x 110.

## Dimensions

#### RC210 to 240



Hole pattern for solenoid valves acc. to VDI/VDE 3845, NAMUR

M5, Depth: 8 R1/4 BSPP, Depth: 12





RC270 to 280

RC250 to 280

- SV = Mounting solenoid valves acc. to VDI/VDE 3845, NAMUR
- U+V = Guide ring acc. to DIN 3337



Fig. 4a



	Dime	nsions (	Weight				
		Fig. 5		<b>w/M1</b> (kg)			
Model	D	х	W	DA	SR		
RC210	180	145	295	2.2	2.5		
RC220	180	145	295	2.7	3.2		
RC230	180	190	345	4.8	5.3		
RC240	180	190	345	5.8	7.1		
RC250	320	295	505	13.8	15.2		
RC260	320	295	505	16.3	20.2		
RC265	320	370	600	24.3	31.0		
RC270	400	515	812	47.0	57.7		
RC280	600	490	812	55.1	80.7		

- U\* = Guide ring for other hole circle on request.
- Y\*\* = Tolerance H9. The hole is octagonal and adapts to valve stems with squares at either 90° (ISO 5711) or 45° (DIN 3337) orientations.

Hole Dimensions (mm)								
ISO 5211	Circle Ø	Thread	Depth					
F05	50	M6	11					
F07	70	M8	14					
F10	102	M10	17					
F12	125	M12	21					
F14	140	M16	32					
F16	165	M20	32					
170 x 110	-	M16	25					
234.7 x 97.2	-	M16	25					
300 x 110	-	M16	25					

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## **Performance Data**

## Air Consumption DA

Free Air at 6 bar (litres)								
Model	Anti-clockwise rotation	Clockwise rotation						
RC210	0.6	1.1						
RC220	1.1	1.3						
RC230	2.2	4						
RC240	4.4	5						
RC250	6.9	13						
RC260	13.8	16						
RC265	32	36						
RC270	33	54						
RC280	66	67						

## Air Consumption SR

Free A	Free Air at 6 bar (litres)					
Model						
RC210	1.1					
RC220	1.3					
RC230	4					
RC240	5					
RC250	13					
RC260	16					
RC265	36					
RC270	54					
RC280	67					

## **Operation Times DA/SR**

Time at 6 bar (sec)						
Model Anti-clockwise and Clockwise rotation						
RC210	<0.3					
RC220	<0.3					
RC230	<0.6					
RC240	<0.7					
RC250	<2.5					
RC260	<2.5					
RC265	<1.5					
RC270	<5					
RC280	<5					

The times relate to full air flow and may increase depending on solenoid valves and the dimensions of connecting pipes.



## Torque Data – Double-Acting

## RC200-DA

		Position	Output Torque (Nm)*							
Model	Function	0° = closed 90° = open	2.1 bar 30 psi	2.8 bar 40 psi	3.5 bar 50 psi	4.2 bar 60 psi	4.5 bar 65 psi	5.5 bar 80 psi	6 bar 87 psi	7 bar 100 psi
RC210	Air open/close	0° 60° 90°	13 6 9	17 8 12	21 10 15	25 12 18	27 13 19	35 17 25	38 19 27	44 22 32
RC220	Air open/close	0° 60° 90°	26 13 18	34 17 24	42 21 30	51 25 36	55 27 39	70 35 50	76 38 54	88 44 63
RC230	Air open/close	0° 60° 90°	48 24 35	64 31 46	80 39 57	96 47 69	103 50 74	133 66 96	145 72 105	165 83 120
RC240	Air open/close	0° 60° 90°	98 49 70	130 65 93	162 81 117	195 97 140	209 104 150	266 133 193	290 145 210	340 170 240
RC250	Air open/close	0° 60° 90°	150 75 108	200 100 143	250 125 179	300 150 215	321 161 230	413 206 293	450 225 320	530 260 380
RC260	Air open/close	0° 60° 90°	305 150 220	407 200 293	508 250 367	610 300 440	654 321 471	834 422 596	910 460 650	1,070 530 770
RC265	Air open/close	0° 60° 90°	432 203 307	576 271 409	720 338 512	864 406 614	926 435 658	1,188 556 844	1,296 606 921	1,512 711 1,075
RC270	Air open/close	0° 60° 90°	630 315 455	840 420 607	1,050 525 758	1,260 630 910	1,350 675 975	1,733 862 1,247	1,890 940 1,360	2,200 1,100 1,590
RC280	Air open/close	0° 60° 90°	1,270 635 915	1,693 847 1,220	2,117 1,058 1,525	2,540 1,270 1,830	2,721 1,361 1,961	3,483 1,742 2,512	3,800 1,900 2,740	4,450 2,220 3,190

\* Output torque +/- 5%.

## Torque Data – Spring-Return (spring to close)

### RC200-SR

		Position Output Torque (Nm)*							
Model	Function	0° = closed 90° = open	2.1 bar 30 psi	2.8 bar 40 psi	3.5 bar 50 psi	4.2 bar 60 psi	5.5 bar 80 psi	6 bar 87 psi	7 bar 100 psi
RC210 -	Air	0° 60° 90°	7 3 4	9 4 5	12 5 6	14 6 7.5	19 8 10	20 9 11	24 10 13
	Spring	90° 30° 0°	6 3 4	8 4 6	10 5 7	12 6 8.5	16 8 11	18 9 12	21 10 14
	Air	0° 60° 90°	15 6 8	19 8 10	24 10 12	29 12 15	39 16 20	41 18 22	48 21 26
RC220 -	Spring	90° 30° 0°	13 6 9	17 8 11	21 10 14	25 12 17	33 16 23	37 18 25	43 21 29
	Air	0° 60° 90°	27 12 15	36 15 19	45 19 24	54 23 29	72 31 39	78 33 41	92 39 48
RC230 -	Spring	90° 90° 30° 0°	24 12 17	31 15 22	39 19 27	47 23 33	63 31 44	69 33 47	81 39 55
	Air	0° 60° 90°	55 24	73 31	92 39	110 47	147 63	158 68	185 80 98
RC240 -	Spring	90° 90° 30° 0°	29 48 24	39 64 31 44	48 80 39 55	58 96 47 66	77 128 63 88	140 68	163 80
	Air	0° 60° 90°	33 85 37 45	113 49 60	142 62 75	170 74 90	227 99 120	245 105	115 290 125 155
RC250 -	Spring	90° 30° 0°	75 37 50	100 49 67	125 62 83	150 74 100	200 99 133	215 105	255 125 175
	Air	0° 60° 90°	173 75 90	230 100 120	287 125 150	345 150 180	460 200 240	500 215	580 250 310
RC260 -	Spring	90° 30° 0°	153 75 105	203 100 140	254 125 175	305 150 210	407 200 280	158           68           84           140           68           96           245           105           130           215           150           500           215           265           440           215           305           330           610           330           440           330           440	515 250 350
	Air	0° 60° 90°	280 113 125	373 150 167	467 187 208	560 225 250	671 280 303	730 305	935 360 425
RC265 -	Spring	90° 30°	210 103	280 137	350 171	420 205	560 273	610 330	695 355
	Air	0° 0° 60°	153 355 155	203 473 207	254 592 258	305 710 310	407 947 413	1,030 440	525 1,210 520
RC270 -	Spring	90° 90° 30°	190 315 155	253 420 207	317 525 258	380 630 310	507 840 413	550 910 440	640 1,060 520
	Air	0° 0° 60°	215 715 310	287 953 413	358 1,192 517	430 1,430 620	573 1,907 827	620 2,080 900	720 2,430 1,050
RC280 -	Spring	90° 90° 30° 0°	380 635 310 435	507 847 413 580	633 1,058 517 725	760 1,270 620 870	1,013 1,693 827 1,160	1,110 1,840 900 1,260	1,290 2,150 1,050 1,470

\* Output torque +/- 5%.

Note: Springs adapted to air supply pressure.

## **Torque Data** – Spring-Return (spring to open)

### RC200-SRF

		Position	Output Torque (Nm)*							
Model	Function	0° = closed 90° = open	2.1 bar 30 psi	2.8 bar 40 psi	3.5 bar 50 psi	4.2 bar 60 psi	5.5 bar 80 psi	6 bar 87 psi	7 bar 100 psi	
	Spring	0° 60° 90°	7 2.6 3	9.6 3.6 4.3	12 4.6 5.5	15 5.5 6.6	20 7.5 9	21 7.8 10	25 9 11.5	
RC210 —	Air	90° 45° 0°	5.2 2.8 4.5	7.2 3.8 6.2	9 4.9 8	11 6 10	15 8 13	16.2 9 14.3	19 10.1 17.2	
	Spring	0° 60° 90°	14 5.3 6.7	20 7.2 9	25 9 12	30 11 14	41 15 19	43 15.5 20	50 18 23	
RC220 —	Air	90° 45° 0°	11 5.6 9.4	14 7.7 13	18 9.8 16	22 12 20	30 16 27	33 18 30	38 21.5 34.5	
	Spring	0° 60° 90°	27 9.8 12	37 13 16	47 17 21	57 21 25	77 28 34	84 30 38	93 33 40	
RC230 -	Air	90° 45° 0°	21 11 17	29 15 23	37 19 29	44 23 36	60 31 48	62 33 51.5	75 41 66	
	Spring	0° 60° 90°	56 20 25	77 27 34	98 35 43	118 42 52	160 57 70	180 65 80	190 68 82	
RC240 —	Air	90° 45° 0°	42 22 35	58 31 48	73 39 61	89 47 74	120 64 100	123 66 97	155 84 135	
	Spring	0° 60° 90°	84 30 37	115 42 50	145 53 64	175 64 78	240 87 105	265 96 120	305 112 130	
RC250 —	Air	90° 45° 0°	65 34 54	89 47 74	110 60 98	135 73 115	185 98 155	195 104 160	225 123 195	
	Spring	0° 60° 90°	175 63 77	240 86 105	300 110 135	370 135 160	500 180 220	540 195 245	620 220 280	
RC260 —	Air	90° 45° 0°	135 70 110	185 96 150	230 120 190	280 150 230	385 200 315	400 210 330	465 250 395	
	Spring	0° 60° 90°	251 123 113	335 154 150	419 175 188	500 188 225	670 260 300	730 300 325	850 360 375	
RC265 —	Air	90° 45° 0°	188 101 158	250 135 210	313 169 263	375 200 315	500 260 400	525 290 445	620 335 525	
	Spring	0° 60° 90°	350 130 155	480 175 210	620 2,220 270	750 270 320	1,010 365 440	1,100 400 480	1,250 450 550	
RC270 —	Air	90° 45° 0°	270 145 230	370 195 310	470 250 390	570 300 480	770 410 645	480 830 430 680	1,000 540 810	
	Spring	0° 60° 90°	730 260 320	1,000 360 440	1,270 460 560	1,540 550 680	2,080 750 920	2,250 780	2,500 820	
RC280 -	Air	90° 90° 45° 0°	560 290 460	770 400 630	980 510 805	1,180 620 980	1,600 835 1,320	1,000 1,700 900 1,380	1,100 2,000 1,100 1,700	

\* Output torque +/- 5%.

Note: Springs adapted to air supply pressure.

## Client Support and Site Services

# **rotork**

Rotork products are recognised as the best-in-class for reliability and safety in the most demanding applications. To maintain this hard-earned leadership position, Rotork is committed to helping clients maximise the continuous, fault-free operation and working life of all their actuators.

With established worldwide service centres we are able to offer same-day or next-day service to the majority of our customers. Our Rotork factory trained engineers have skills in both multi-purpose and industry specific applications and carry spare parts and specialist test equipment with them. Our operations utilise a documented Quality Management system established in accordance with ISO9001.

Rotork aims to be your number one choice for taking care of fault diagnosis, service repairs, scheduled maintenance and system integration needs.

See PUB056-013 for further details.

Rotork has expertise and specialist knowledge of every aspect of flow control.

Our service solutions increase plant efficiency and reduce maintenance costs.

Workshop services return equipment to as-new condition.





## Client Support and Site Services

## **Global Service and Support**

Rotork understand the value of prompt and punctual customer site services and aim to supply our customers with superior flow control solutions, by providing high quality, innovative products and superior service – **on time, every time.** 

Whether you have an actuator requiring on-site servicing, a custom design service requirement or a new actuator installation, we can deliver the fastest turnaround with the least plant disruption.

#### Accreditation and Assurance

Rotork is accredited with all major safety authorities around the world, providing our clients with reassurance and peace of mind.

Rotork's engineering teams are experts in the design and implementation of actuation solutions for all circumstances and environments. Our knowledge base draws upon previous installations and environmental situations from all around the world.

Our track record of undertaken engineering projects is second to none. Rotork is trusted by major utility and industrial companies throughout the world to design, install and maintain their actuation stock. We keep their plants operating at peak efficiency, helping them to be more profitable and at the same time meet ever tightening industry watchdog requirements.

We have the knowledge and expertise to design, build and install any standard or custom installation for you, anywhere throughout the world.

#### Asset Management

Rotork is a corporate member of the Institute of Asset Management, the professional body for whole life management of physical assets.



## Giving You Peace of Mind, Guaranteed Quality and Improving Your Site Efficiency



#### **Actuator Workshop Overhaul**

- Supporting all Rotork and non-Rotork products
- Workshop facilities including torque testing and re-coating
- Large OEM stock in all workshops
- Fully trained and experienced service engineers
- Fleet of well stocked service vehicles
- Loan actuator facilities

#### **Field Support**

- Site repairs
- Commissioning
- Upgrades
- Fault finding
- Maintenance
- Call-out
- Fully equipped service vehicles

#### **Rotork Client Support Programme (CSP)**

- Enables users to select a level of service precisely tailored for their individual asset management requirements
- Designed to provide the maximum reliability and availability of actuators over the life of the product – thereby improving production throughput
- Designed to reduce the cost of maintenance year on year
- Designed to allow customers to manage the problem of 'Risk vs Budget' in maintenance operations
- Designed to be flexible you choose the level of cover you want
- Reports generated on agreed frequency to demonstrate cost savings and performance improvements

#### Turnaround, Shutdown and Outage Support

- Preventative maintenance
- Full on-site overhaul and testing facilities
- OEM spares and support
- Support for Rotork and non-Rotork products
- Commissioning support to achieve shutdown time targets
- Project management and supervision of your plant overhaul and return to service dates

## Valve Automation Centres

- On Site Manual Valve Automation
- On Site Actuator Replacement
- Off Site New Valve Automation

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## www.rotork.com

A full listing of our worldwide sales and service network is available on our website.

Rotork plc Brassmill Lane, Bath, UK *tel* +44 (0)1225 733200 *email* mail@rotork.com Rotork is a corporate member of the Institute of Asset Management



As part of a process of on-going product development, Rotork reserves the right to amend and change specifications without prior notice. Published data may be subject to change. For the very latest version release, visit our website at www.rotork.com

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