

Peržiūrėti
ataskaitą



Pasiūlymas 483659

[info]

Kainos pasiūlymą pateikė:
**UAB "Automatinių sistemų
servisas"**

Juridinio asmens kodas
300123333

**Gedimino g. 47 Kaunas
LT-44242**

**Kaunas
Lietuva**

Pirkimo pavadinimas:

**Birutės v-tėje vandens gerinimo įrenginiuose aeracijos talpoms
pneumatinių uždorių su pozicionieriais keitimo su instaliavimo
paslaugomis DN200 mm pirkimas**

Projektas:

Mažos vertės pirkimai Virgos

Pasiūlymų pateikimo terminas (EET):

2020-05-05 09:00

Kontaktinė informacija:

Pasiūlymas pateiktas: (EET)

2020-05-04 18:53

Informacija apie pirkimo dalį pateikiama šiuose puslapiuose.

Dalis 483659:1 - Birutės v-tėje vandens gerinimo įrenginiuose aeracijos talpoms pneumatinių uždorių su pozicionieriais keitimo su instaliavimo paslaugomis DN200 mm pirkimas

Prisegti dokumentai

Prie savo kainos pasiūlymo pridėjome šiuos dokumentus.

Pavadinimas	Dydis (kB)	Sukurta
Specifikacija.pdf (<i>Specifikacija.pdf</i>) Komentari (0) Veiksmai	322	2020-05-04 01:26
RC200.pdf (<i>RC200.pdf</i>) Komentari (0) Veiksmai	2796	2020-05-04 01:28
RC200 instrukcija.pdf (<i>RC200 instrukcija.pdf</i>) Komentari (0) Veiksmai	1631	2020-05-04 01:29
Jafar_4497.pdf (<i>Jafar_4497.pdf</i>) Komentari (0) Veiksmai	1604	2020-05-04 01:29
YT-3300-3350-3301-3303.pdf (<i>YT-3300-3350-3301-3303.pdf</i>) Komentari (0) Veiksmai	970	2020-05-04 01:30
KP20161_Šiaulių Vandenys_JF_RO.pdf (<i>KP20161_Šiaulių Vandenys_JF_RO.pdf</i>) Komentari (0) Veiksmai	2751	2020-05-04 18:52

UAB „Šiaulių vandenys“
(Adresatas (Perkantysis subjektas))

PASIŪLYMAS
BIRUTĖS V-TĖJE VANDENS GERINIMO ĮRENGINIuose AERACIJOS TALPOMS
PNEUMATINIŲ UŽDORIŲ SU POZICIONIERIAIS KEITIMO SU INSTALIAVIMO
PASLAUGOMIS DN200 mm PIRKIMUI

Tiekėjo pavadinimas <i>(Jeigu dalyvauja ūkio subjektų grupė, surašomi visi dalyvių pavadinimai)</i>	UAB „Automatinių sistemų servisas“
Tiekėjo adresas <i>(Jeigu dalyvauja ūkio subjektų grupė, surašomi visi dalyvių adresai)</i>	Gedimino g. 47, 44242, Kaunas
Už pasiūlymą atsakingo asmens vardas, pavardė	
Telefono numeris	
El. pašto adresas	

1. Šiuo pasiūlymu pažymime, kad sutinkame su visomis pirkimo sąlygomis, nustatytomis:

1.1. 2020 m. balandžio 24 d. rašte Nr. S-950 „Dėl kvietimo pateikti pasiūlymą Birutės v-tėje vandens gerinimo įrenginiuose aeracijos talpoms pneumatinių uždorių su pozicionieriais keitimo su instaliavimo paslaugomis DN200 mm pirkimui“ (toliau – Kvietimas) ir patvirtiname, kad pasiūlyme pateikta informacija yra teisinga ir apima viską, ko reikia tinkamam pirkimo sutarties įvykdymui;

1.2. kituose pirkimo dokumentuose (jų paaškinimuose, papildymuose).

2. Pasiūlymas galioja iki **2020-07-07**.

3. *Vykdant sutartį pasitelksiu šiuos subteikėjus (subteikėjus):

1 lentelė

Eil. Nr.	Subteikėjo (subteikėjo) pavadinimas, juridinio asmens kodas, adresas	Sutarties dalis (apimtis eurai, dalis procentais), kuriai ketinama pasitelkti subteikėjus (subteikėjus)
	-	

**Pildyti tuomet, jei sutarties vykdymui bus pasitelkti subteikėjai (subteikėjai). Nepildyti, jei pasiūlymą teikia ūkio subjektų grupė, veikianti pagal jungtinės veiklos sutartį.*

4. *Šiame pasiūlyme yra pateikta ir konfidenciali informacija (dokumentai su konfidencialia informacija įsegti atskirai):

2 lentelė

Eil. Nr.	Pateikto dokumento pavadinimas

**Pildyti tuomet, jei bus pateikta konfidenciali informacija. Konfidencialią informaciją sudaro, visų pirma, komercinė (gamybinė) paslaptis ir konfidencialieji pasiūlymų aspektai. Pasiūlyme nurodyta prekių/paslaugų/darbų kaina, išskyrus jos sudedamąsias dalis, nėra laikoma konfidencialia informacija. Informacija, kurią viešai skelbti įpareigoja Lietuvos Respublikos teisės aktai, negali būti Tiekėjo nurodoma kaip konfidenciali.*

5. Atsižvelgdami į pirkimo dokumentuose išdėstytas sąlygas, teikiame savo pasiūlymą:
(Tiekėjas turi užpildyti visas 3 lentelės pozicijas. Neužpildžius visų lentelės pozicijų, pasiūlymas nevertinamas).

3 lentelė

Eil. Nr.	Prekių ir paslaugos pavadinimas	Mato vnt.	Vieneto kaina, Eur (be PVM)	Kiekis	Kiekio kaina, Eur (be PVM) (4x5)
1	2	3	4	5	6
1.	Pneumatinis uždoris su pozicionieriumi ir jo keitimas su instaliavimo paslaugomis DN200 mm	kompl.	2992,06	2	5984,12
Suma, Eur (be PVM)					5984,12
PVM vertė (21 proc.), Eur					1256,67
Suma, Eur (su PVM)					7240,79

(Tais atvejais, kai pagal galiojančius teisės aktus Tiekėjui nereikia mokėti PVM, jis lentelės eilutės „PVM“ nepildo ir nurodo priežastis, dėl kurių PVM nemoka.)

Mūsų siūlomos Prekės visiškai atitinka pirkimo dokumentuose nurodytus reikalavimus.

6. Kartu su pasiūlymu pateikiami šie dokumentai:

4 lentelė

Eil. Nr.	Pateiktų dokumentų pavadinimas	Dokumento puslapių skaičius
1.	Specifikacija	1
2.	Vožtuvo aprašymas	2
3.	Pavaros aprašymas	16
4.	Pavaros instrukcija	2
5.	YT-3300-3350-3301-3303 pozicionierius	2

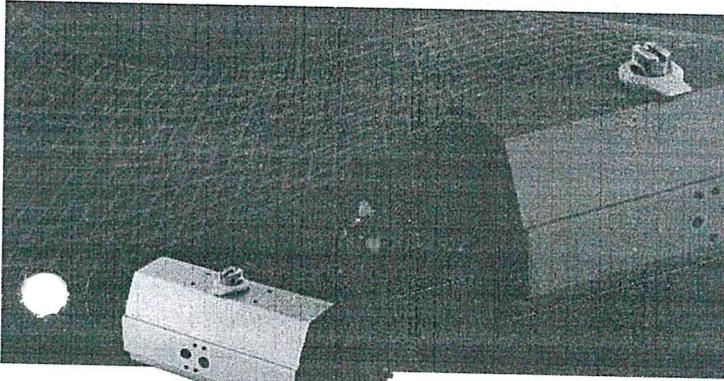
Direktorius
Almantas Suteikis



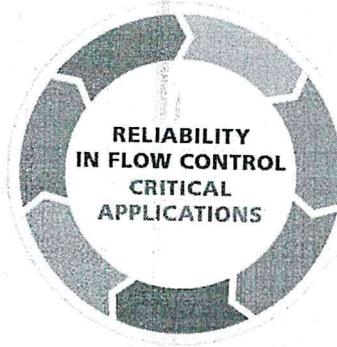
Peteliškis vožtuvas su pneumatine pavara 4497/RC250-DA

Peteliškis vožtuvas	
Gamintojas	JAFAR.
Darbinė terpė – geriamasis vanduo	Tinka.
Korpuso medžiaga	Kalusis ketus EN-GJS 400-15.(GGG40).
Korpuso padengimas	Epoksidinė danga. 250µm.
Veleno medžiaga	AISI420 (1.4021). Nerūd. plienas analogiškas AISI304 tik su didesniu atsparumu mechaniniam apkrovimui ir metalo nuovargiui.
Disko medžiaga	1.4401 (AISI316).
Sandarinimo žiedas	EPDM
Montavimo padėtis	Vertikali. Horizontali.
Hermetiškumo klasė.	A.
Pneumatinė pavara	
Gamintojas	ROTORK. RC250-DA.
Pavaros išpildymas	Dvigubo veikimo
Korpuso medžiaga, padengimas.	Aliuminis. Anodavimas.
Vidinio paviršiaus apdirbimas	Poliruota
Pavaros veikimo principas	Šarnyrinis
Veleno kreipiančiosios	4 kreipiančiosios įvorės
Min. valdymo oro slėgis	5.5bar
Spyruoklių montavimas	Reikalui esant spyruoklės gali būti sumontuotos. Spyruoklės eina kaip atskiras mazgas. Montavimo metu nereikia suspausti, nera traumos pavojaus.
Darbinė aplinkos temperatūra	-20...+60°C.
Pavaros montavimo flanšas	ISO 5211
Pavaros darbo resursas	1000000 ciklų
Garantija	36mėn.
Pozicionierius	
Gamintojas	Rotork.
Modelis	YT-330-R-D-N-5-1-0-5-S
Reguliavimo signalas	4-20mA
Grįžtamas ryšys	4-20mA
Galinės padėties davikliai	Induktyviniai x2. 8.2VDC 8.2 mA
Apsaugos klasė	IP66
LCD	Taip
Autokalibracija	Taip
Vizualinis padėties indikatorius	Taip. LCD.

RC200 Range



Compact Scotch-Yoke Actuators for Quarter-Turn Valves



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).

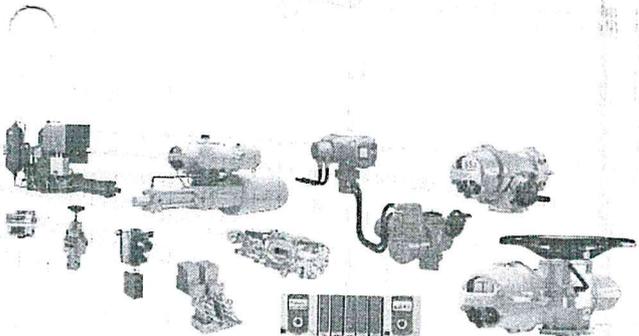
Low cost of ownership

Long-term reliability prolongs service life. Rotork helps to reduce long term cost of ownership and provides greater efficiency to process and plant.

Keeping the World Flowing

RC200 Range

Section	Page	Section	Page
Rotork Actuators – Quality Controlled	4	Dimensions	8
RC200 Compact Scotch-Yoke Actuators	4	Performance Data	10
Fitting Accessories	5	Torque Data	11
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Inside The RC200 Actuator	7		



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.

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.

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.

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 Actuators – Quality Controlled

Since the company was founded in 1957, Rotork has become the standard for excellence in the field of valve and damper automation for the oil, gas, power, water and waste treatment industries around the world.

As established leaders in actuation technology, we owe our success to a commitment to quality at every stage, and at every level, of Rotork's operations.

At the heart of the company is an exceptional workforce – the highly trained, forward thinking engineers, technicians, and sales support staff who each play a crucial role in maintaining Rotork's unrivalled reputation for innovation, reliability and first class after sale support.

With several fluid power factories and additional Centres of Excellence located around the globe, we are able to offer creative solutions and design systems for virtually any application – from subsea hydraulics to the most sophisticated yet simple fluid power control system.

Contact Rotork for your operational or safety application requirements. We will work with you from conception, to design, to manufacture, to installation, and finally to maintenance and service support.



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 double-acting and spring-return configurations with an optional integral manual override. Spring-return actuators feature springs that are safely contained within an epoxy-coated cartridge. Pistons are guided in two places by high-performance bearings which ensure proper alignment and long seal life.

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 & 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.

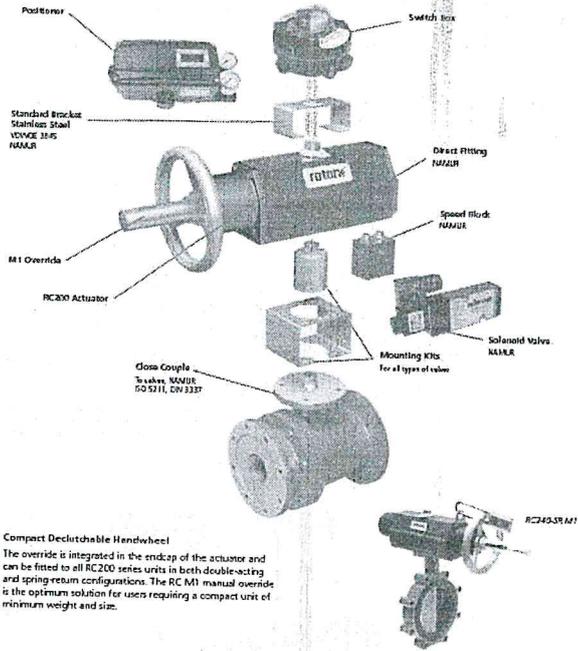
Reliability

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.

Fitting Accessories

The Right Accessory Solutions

Valves and actuators only perform as well as the solution is engineered. With decades of experience engineering fluid power valve automation for a multitude of applications and markets, you can depend on Potoark to provide a reliable and safe automation solution to meet your requirements.



Compact Declutchable Handwheel

The override is integrated in the mid-part of the actuator and can be fitted to all RC200 series units in both double-acting and spring-return configurations. The RC M1 manual override is the optimum solution for users requiring a compact unit of minimum weight and size.

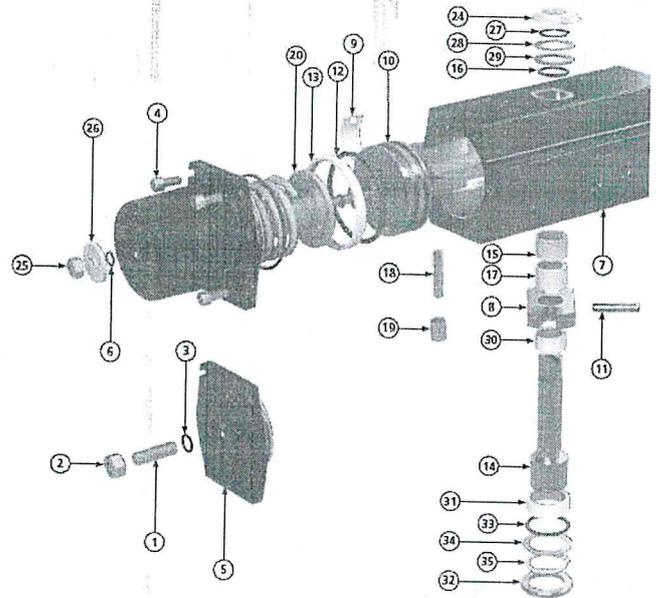
Specifications

Specifications

Operating Pressure: 2-10 bar (30-145 psi)
 Torque Output: Up to 4,400 Nm (39,000 lbf.in)
 Temperature Ranges:
 Standard: -20 to +80 °C (-4 to +175 °F)
 High: 0 to +150 °C (+32 to +300 °F)
 Low: -80 to +60 °C (-10 to +140 °F)
 Arctic: -47 to +80 °C (-52 to +175 °F)

Standards:

Solenoid valve connection: NAMUR
 Fitting to valve: VDI3845, NAMUR
 Hole pattern, centering ring: ISO 5211, DIN 3337, NAMUR
 ISO 5211 with 50° □ and
 DIN 79 with 45° □ and NAMUR
 Certified suitable for use as SIL 2 & SIL 3 as a single device in accordance with IEC 61508.



Keeping the World Flowing

rotor RC200 Range

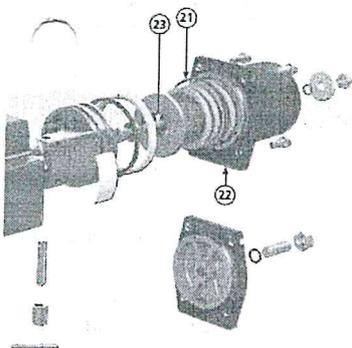
Inside The RC200 Actuator

Extra Corrosion Protection:

RCF: hard anodic / low friction polymer treatment.
 Epoxy coating.
 Offshore or other finish to meet customer specifications.
 Stainless screws and drive shaft (standard for RC210 - 260).

Operating Medium:

Air, inert gases (non-dangerous fluid, 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	Material
1	Adjusting screw	1	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
2	Lock nut	1	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
3	O-ring	1	Nitrile
4	Screw	3-16	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
5	End plate	1	powder coated steel aluminium
6	O-ring	2	Nitrile
7	Actuator body	1	Anodized aluminium
8	Stroke Yoke	1	Steel
9	Pinion guide block	1	PCB
10	Pinion	1	Aluminium
11	Roll pin, double	1	Spring steel
12	O-ring	1	Nitrile
13	Drive guide ring	1	Polymer material
14	Driving shaft	1	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
15	Bearing, upper	1	Polymer material
16	O-ring, upper	1	Nitrile
17	Bearing, lower	1	Polymer material
18	Pinion gear	1	Steel
19	Bearing roller	1	Steel
20	Spring guide	1	Aluminium
21	Spring	1	Alloyed spring steel
22	Spring housing	1	powder coated steel aluminium
23	Non-retaining screw	1	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
24	Indicator	1	Polymer material
25	Lock nut	1	Size 2 (10-20): Stainless steel Other sizes: Zinc plated steel
26	Marking washer	1	Anodized aluminium
27	Retaining ring, upper	1	Spring steel
28	Roller washer	1	Stainless steel
29	Support washer, upper	1	Polymer material, chemically resistant
30	Supporting lower	1	Polymer material
31	Bearing, lower	1	Polymer material
32	Circle ring	1	Polymer material
33	O-ring, lower	1	Nitrile
34	Support washer, lower	1	Polymer material, chemically resistant
35	Retaining ring, lower	1	Spring steel

new: If you require sizes 220, 240, 260 and 280, the double amount of double (2x) call has to be added.
 If you require sizes 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500, 520, 540, 560, 580, 600, 620, 640, 660, 680, 700, 720, 740, 760, 780, 800, 820, 840, 860, 880, 900, 920, 940, 960, 980, 1000, 1020, 1040, 1060, 1080, 1100, 1120, 1140, 1160, 1180, 1200, 1220, 1240, 1260, 1280, 1300, 1320, 1340, 1360, 1380, 1400, 1420, 1440, 1460, 1480, 1500, 1520, 1540, 1560, 1580, 1600, 1620, 1640, 1660, 1680, 1700, 1720, 1740, 1760, 1780, 1800, 1820, 1840, 1860, 1880, 1900, 1920, 1940, 1960, 1980, 2000, 2020, 2040, 2060, 2080, 2100, 2120, 2140, 2160, 2180, 2200, 2220, 2240, 2260, 2280, 2300, 2320, 2340, 2360, 2380, 2400, 2420, 2440, 2460, 2480, 2500, 2520, 2540, 2560, 2580, 2600, 2620, 2640, 2660, 2680, 2700, 2720, 2740, 2760, 2780, 2800, 2820, 2840, 2860, 2880, 2900, 2920, 2940, 2960, 2980, 3000, 3020, 3040, 3060, 3080, 3100, 3120, 3140, 3160, 3180, 3200, 3220, 3240, 3260, 3280, 3300, 3320, 3340, 3360, 3380, 3400, 3420, 3440, 3460, 3480, 3500, 3520, 3540, 3560, 3580, 3600, 3620, 3640, 3660, 3680, 3700, 3720, 3740, 3760, 3780, 3800, 3820, 3840, 3860, 3880, 3900, 3920, 3940, 3960, 3980, 4000, 4020, 4040, 4060, 4080, 4100, 4120, 4140, 4160, 4180, 4200, 4220, 4240, 4260, 4280, 4300, 4320, 4340, 4360, 4380, 4400, 4420, 4440, 4460, 4480, 4500, 4520, 4540, 4560, 4580, 4600, 4620, 4640, 4660, 4680, 4700, 4720, 4740, 4760, 4780, 4800, 4820, 4840, 4860, 4880, 4900, 4920, 4940, 4960, 4980, 5000, 5020, 5040, 5060, 5080, 5100, 5120, 5140, 5160, 5180, 5200, 5220, 5240, 5260, 5280, 5300, 5320, 5340, 5360, 5380, 5400, 5420, 5440, 5460, 5480, 5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700, 5720, 5740, 5760, 5780, 5800, 5820, 5840, 5860, 5880, 5900, 5920, 5940, 5960, 5980, 6000, 6020, 6040, 6060, 6080, 6100, 6120, 6140, 6160, 6180, 6200, 6220, 6240, 6260, 6280, 6300, 6320, 6340, 6360, 6380, 6400, 6420, 6440, 6460, 6480, 6500, 6520, 6540, 6560, 6580, 6600, 6620, 6640, 6660, 6680, 6700, 6720, 6740, 6760, 6780, 6800, 6820, 6840, 6860, 6880, 6900, 6920, 6940, 6960, 6980, 7000, 7020, 7040, 7060, 7080, 7100, 7120, 7140, 7160, 7180, 7200, 7220, 7240, 7260, 7280, 7300, 7320, 7340, 7360, 7380, 7400, 7420, 7440, 7460, 7480, 7500, 7520, 7540, 7560, 7580, 7600, 7620, 7640, 7660, 7680, 7700, 7720, 7740, 7760, 7780, 7800, 7820, 7840, 7860, 7880, 7900, 7920, 7940, 7960, 7980, 8000, 8020, 8040, 8060, 8080, 8100, 8120, 8140, 8160, 8180, 8200, 8220, 8240, 8260, 8280, 8300, 8320, 8340, 8360, 8380, 8400, 8420, 8440, 8460, 8480, 8500, 8520, 8540, 8560, 8580, 8600, 8620, 8640, 8660, 8680, 8700, 8720, 8740, 8760, 8780, 8800, 8820, 8840, 8860, 8880, 8900, 8920, 8940, 8960, 8980, 9000, 9020, 9040, 9060, 9080, 9100, 9120, 9140, 9160, 9180, 9200, 9220, 9240, 9260, 9280, 9300, 9320, 9340, 9360, 9380, 9400, 9420, 9440, 9460, 9480, 9500, 9520, 9540, 9560, 9580, 9600, 9620, 9640, 9660, 9680, 9700, 9720, 9740, 9760, 9780, 9800, 9820, 9840, 9860, 9880, 9900, 9920, 9940, 9960, 9980, 10000.

Dimensions

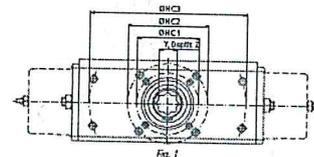


Fig. 1

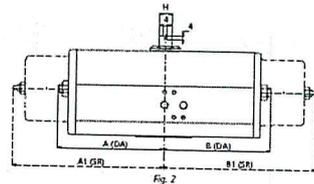


Fig. 2

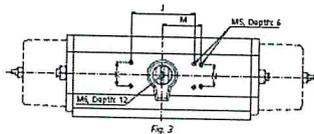


Fig. 3

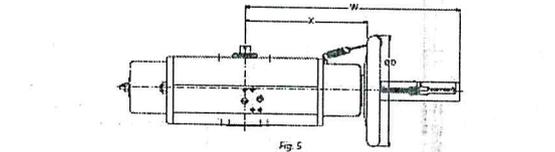
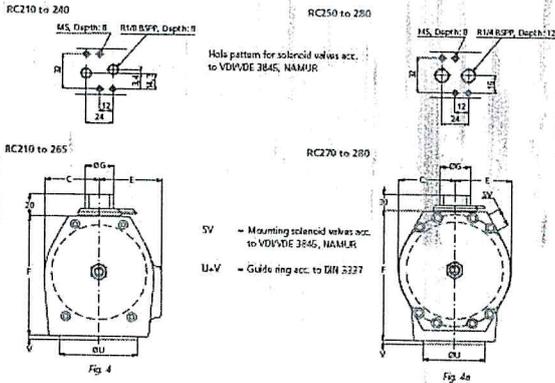
Model	Dimensions (mm)																Weight (kg)					
	RC1	RC2	RC3	RC4	RC5	RC6	RC7	RC8	RC9	RC10	RC11	RC12	RC13	RC14	RC15	RC16						
RC210	F05	F07	-	14	19	45	95	45	150	110	35.4	25.4	40	20	32	41	75	16	35	2	1.2	1.5
RC220	F05	F07	-	14	19	45	95	150	150	110	80	30	-	-	32	41	75	16	35	2	1.6	2.2
RC230	F07	F10	-	17	20	65	135	65	200	160	80	30	-	-	40	51	110	25	55	3	3.5	4.2
RC240	F07	F10	-	22	26	135	135	200	200	160	80	30	-	-	40	51	110	25	70	3	4.9	7.0
RC250	F10	F12	-	22	27	60	150	90	285	220	80	30	-	-	60	75	155	35	70	3	9.4	12.4
RC260	F10	F12	-	27	31	100	150	100	310	220	80	30	-	-	60	75	155	35	85	3	12.5	18.5
RC270	F12	-	-	27	31	100	150	115	310	220	80	30	-	-	70	76	202	35	85	3	18.9	26.6
RC280	F14	-	-	36	44	145	300	145	510	480	130	30	-	-	110	110	248	60	100	4	32.0	45.0
RC290	F12	F16	32x1.7	42	48	200	300	510	510	480	130	30	-	-	110	110	248	60	130	5	42.0	68.0

1 - Also includes valve mounting pattern of 300 x 110.

Keeping the World Flowing

rotor RC200 Range

Dimensions



Model	Dimensions (mm)				Weight (kg)
	D	X	W	h	
RC210	180	145	305	2.2	2.9
RC220	180	145	295	2.2	3.2
RC230	180	190	345	4.8	5.3
RC240	180	190	345	1.8	7.1
RC240	320	295	595	13.8	15.2
RC240	320	295	595	16.3	20.1
RC265	320	370	690	24.8	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 50° (ISO 5711) or 45° (DIN 3337) orientations.

Hole Dimension (mm)	Hole Dimension (mm)			
	ISO 5711	DIN 4140	Thread	Depth
F05	50	M6	M6	11
F07	70	M8	M8	14
F10	102	M10	M10	17
F12	125	M12	M12	21
F14	140	M16	M16	25
F16	165	M20	M20	31
F170 x 110	-	M16	M16	25
234.7 x 97.2	254	M16	M16	25
300 x 110	-	M16	M16	25

Performance Data

Air Consumption DA

Model	Free Air at 6 bar (l/min)	
	With solenoid reduction	Without solenoid reduction
RC210	0.6	1.1
RC220	1.1	1.3
RC230	2.2	4
RC240	4.4	5
RC250	5.9	13
RC265	13.8	16
RC270	32	54
RC280	56	67

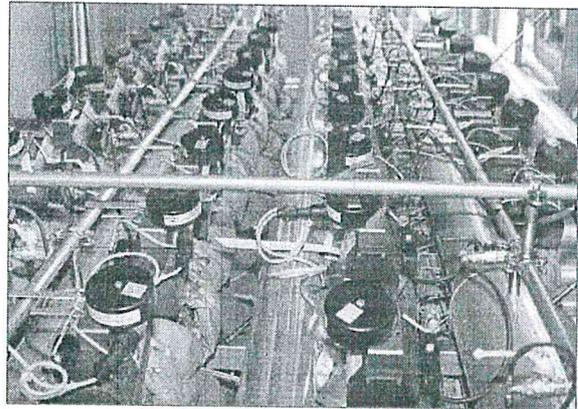
Air Consumption SR

Model	Free Air at 6 bar (l/min)	
	With solenoid reduction	Without solenoid reduction
RC210	1.1	1.1
RC220	1.2	1.2
RC230	4	4
RC240	5	5
RC250	13	13
RC265	16	16
RC270	36	36
RC280	67	67

Operation Times DA/SR

Model	Time at 6 bar (s)	
	With solenoid reduction	Without solenoid reduction
RC210	<0.3	<0.3
RC220	<0.3	<0.3
RC230	<0.6	<0.6
RC240	<0.7	<0.7
RC250	<2.5	<2.5
RC265	<2.5	<2.5
RC270	<5	<5
RC280	<5	<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

Model	Position	Position	Output Torque (Nm)																				
			2.1 bar 30 psi	2.8 bar 40 psi	3.5 bar 50 psi	4.2 bar 60 psi	4.9 bar 70 psi	5.6 bar 80 psi	6.3 bar 90 psi	7 bar 100 psi	7.7 bar 110 psi	8.4 bar 120 psi											
RC210	Air open/close	0°	12	17	21	25	27	32	38	44	50	56	62	68	74	80	86	92	98	104	110	116	122
		90°	6	8	10	12	13	17	19	22	25	28	32	36	40	44	48	52	56	60	64	68	72
RC220	Air open/close	0°	26	34	42	51	55	70	76	88	96	112	124	144	160	180	200	220	240	260	280	300	320
		90°	13	17	21	25	27	35	38	44	48	56	62	72	80	92	104	116	132	144	160	176	192
RC230	Air open/close	0°	48	64	80	96	103	133	145	165	185	225	255	315	360	420	480	540	600	660	720	780	840
		90°	24	31	38	47	50	66	72	81	90	108	120	144	160	180	200	220	240	260	280	300	320
RC240	Air open/close	0°	98	130	162	195	209	266	290	340	380	460	520	620	700	800	900	1000	1100	1200	1300	1400	1500
		90°	49	65	81	97	104	133	145	165	185	225	255	315	360	420	480	540	600	660	720	780	840
RC250	Air open/close	0°	150	200	250	300	321	413	450	540	600	720	800	960	1080	1260	1440	1620	1800	2000	2200	2400	2600
		90°	75	100	125	150	161	206	225	270	300	360	400	480	540	630	720	810	900	1000	1100	1200	1300
RC260	Air open/close	0°	306	407	508	609	654	834	910	1070	1190	1450	1600	1920	2160	2520	2880	3240	3600	4000	4400	4800	5200
		90°	153	204	255	306	327	417	455	535	600	720	800	960	1080	1260	1440	1620	1800	2000	2200	2400	2600
RC265	Air open/close	0°	203	271	339	406	435	556	606	711	792	950	1050	1260	1410	1680	1890	2160	2400	2700	3000	3300	3600
		90°	102	136	170	203	218	278	303	355	396	475	525	630	705	840	945	1110	1260	1470	1680	1890	2100
RC270	Air open/close	0°	610	840	1070	1300	1393	1733	1890	2200	2400	2880	3240	3960	4500	5400	6120	7200	8100	9000	10000	11100	12200
		90°	305	420	535	650	697	867	945	1100	1200	1440	1620	1980	2250	2700	3060	3600	4050	4500	5000	5500	6000
RC280	Air open/close	0°	1270	1699	2117	2540	2721	3489	3800	4450	4900	5940	6600	7920	8910	10620	11880	14040	15660	18180	20250	22320	24390
		90°	635	849	1058	1270	1361	1742	1900	2220	2450	2970	3300	3960	4400	5280	5940	7020	7830	9360	10350	11880	12870

* Output torque at 5%.

Torque Data - Spring-Return (spring to close)

RC200-SR

Model	Position	Position	Output Torque (Nm)																				
			2.1 bar 30 psi	2.8 bar 40 psi	3.5 bar 50 psi	4.2 bar 60 psi	4.9 bar 70 psi	5.6 bar 80 psi	6.3 bar 90 psi	7 bar 100 psi	7.7 bar 110 psi	8.4 bar 120 psi											
RC210	Air	0°	7	9	12	14	15	19	20	24	26	32	36	42	48	54	60	66	72	78	84	90	96
		90°	4	5	6	7.5	8	10	11	12	14	16	18	21	24	27	30	33	36	39	42	45	48
RC220	Spring	0°	3	4	5	6	6.5	8	9	10	11	12	14	16	18	21	24	27	30	33	36	39	42
		90°	1.5	1.8	2.1	2.5	2.7	3.3	3.6	4.2	4.8	5.4	6	7	8	9	10	11	12	14	16	18	20
RC230	Air	0°	15	19	24	29	31	39	42	50	54	66	72	84	96	114	126	150	162	180	200	216	234
		90°	8	10	12	15	16	20	22	26	28	34	38	45	50	60	66	78	84	96	108	120	132
RC240	Spring	0°	8	10	12	15	16	20	22	26	28	34	38	45	50	60	66	78	84	96	108	120	132
		90°	4	5	6	7.5	8	10	11	12	14	16	18	21	24	27	30	33	36	39	42	45	48
RC250	Air	0°	27	36	45	54	58	72	78	92	100	120	132	156	174	204	228	270	300	336	372	408	444
		90°	14	18	22	27	29	36	39	48	52	62	68	81	90	108	120	144	162	180	200	216	234
RC260	Spring	0°	13	17	21	25	27	33	36	42	45	54	60	72	81	96	108	126	144	162	180	200	216
		90°	6	8	10	12	13	16	18	21	24	27	32	36	42	48	54	63	72	81	90	100	108
RC265	Air	0°	27	36	45	54	58	72	78	92	100	120	132	156	174	204	228	270	300	336	372	408	444
		90°	14	18	22	27	29	36	39	48	52	62	68	81	90	108	120	144	162	180	200	216	234
RC270	Spring	0°	43	56	70	84	90	112	120	144	156	180	200	240	270	324	360	432	480	540	600	660	720
		90°	21	28	35	42	45	56	60	72	78	92	100	120	132	156	174	204	228	270	300	336	372
RC280	Air	0°	85	113	142	170	184	227	245	290	312	378	420	504	564	672	756	900	1008	1188	1332	1500	1644
		90°	42	56	71	85	92	114	126	150	162	192	210	252	282	336	378	450	504	594	666	774	846

* Output torque at 5%.

Note: Springs adapted to air supply pressure.

Torque Data – Spring-Return (spring to open)

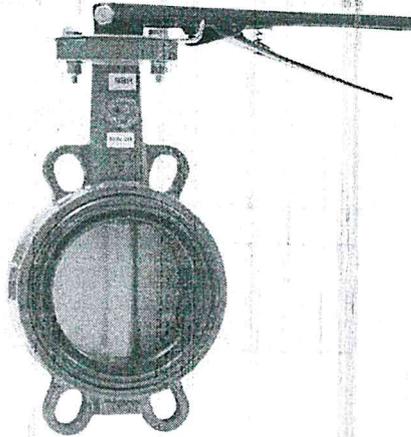
RC200-SRF

Model	Position	Output Torque (Nm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		0°	2.5 bar 36 psi	4.5 bar 65 psi	6.5 bar 94 psi	8.5 bar 123 psi	10.5 bar 152 psi	12.5 bar 181 psi	14.5 bar 210 psi	16.5 bar 239 psi	18.5 bar 268 psi	20.5 bar 297 psi	22.5 bar 326 psi																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
RC210	Spring	60°	7	2.6	4.4	6.2	8.0	9.8	11.6	13.4	15.2	17.0	18.8	20.6	22.4	24.2	26.0	27.8	29.6	31.4	33.2	35.0	36.8	38.6	40.4	42.2	44.0	45.8	47.6	49.4	51.2	53.0	54.8	56.6	58.4	60.2	62.0	63.8	65.6	67.4	69.2	71.0	72.8	74.6	76.4	78.2	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0	144.8	146.6	148.4	150.2	152.0	153.8	155.6	157.4	159.2	161.0	162.8	164.6	166.4	168.2	170.0	171.8	173.6	175.4	177.2	179.0	180.8	182.6	184.4	186.2	188.0	189.8	191.6	193.4	195.2	197.0	198.8	200.6	202.4	204.2	206.0	207.8	209.6	211.4	213.2	215.0	216.8	218.6	220.4	222.2	224.0	225.8	227.6	229.4	231.2	233.0	234.8	236.6	238.4	240.2	242.0	243.8	245.6	247.4	249.2	251.0	252.8	254.6	256.4	258.2	260.0	261.8	263.6	265.4	267.2	269.0	270.8	272.6	274.4	276.2	278.0	279.8	281.6	283.4	285.2	287.0	288.8	290.6	292.4	294.2	296.0	297.8	299.6	301.4	303.2	305.0	306.8	308.6	310.4	312.2	314.0	315.8	317.6	319.4	321.2	323.0	324.8	326.6	328.4	330.2	332.0	333.8	335.6	337.4	339.2	341.0	342.8	344.6	346.4	348.2	350.0	351.8	353.6	355.4	357.2	359.0	360.8	362.6	364.4	366.2	368.0	369.8	371.6	373.4	375.2	377.0	378.8	380.6	382.4	384.2	386.0	387.8	389.6	391.4	393.2	395.0	396.8	398.6	400.4	402.2	404.0	405.8	407.6	409.4	411.2	413.0	414.8	416.6	418.4	420.2	422.0	423.8	425.6	427.4	429.2	431.0	432.8	434.6	436.4	438.2	440.0	441.8	443.6	445.4	447.2	449.0	450.8	452.6	454.4	456.2	458.0	459.8	461.6	463.4	465.2	467.0	468.8	470.6	472.4	474.2	476.0	477.8	479.6	481.4	483.2	485.0	486.8	488.6	490.4	492.2	494.0	495.8	497.6	499.4	501.2	503.0	504.8	506.6	508.4	510.2	512.0	513.8	515.6	517.4	519.2	521.0	522.8	524.6	526.4	528.2	530.0	531.8	533.6	535.4	537.2	539.0	540.8	542.6	544.4	546.2	548.0	549.8	551.6	553.4	555.2	557.0	558.8	560.6	562.4	564.2	566.0	567.8	569.6	571.4	573.2	575.0	576.8	578.6	580.4	582.2	584.0	585.8	587.6	589.4	591.2	593.0	594.8	596.6	598.4	600.2	602.0	603.8	605.6	607.4	609.2	611.0	612.8	614.6	616.4	618.2	620.0	621.8	623.6	625.4	627.2	629.0	630.8	632.6	634.4	636.2	638.0	639.8	641.6	643.4	645.2	647.0	648.8	650.6	652.4	654.2	656.0	657.8	659.6	661.4	663.2	665.0	666.8	668.6	670.4	672.2	674.0	675.8	677.6	679.4	681.2	683.0	684.8	686.6	688.4	690.2	692.0	693.8	695.6	697.4	699.2	701.0	702.8	704.6	706.4	708.2	710.0	711.8	713.6	715.4	717.2	719.0	720.8	722.6	724.4	726.2	728.0	729.8	731.6	733.4	735.2	737.0	738.8	740.6	742.4	744.2	746.0	747.8	749.6	751.4	753.2	755.0	756.8	758.6	760.4	762.2	764.0	765.8	767.6	769.4	771.2	773.0	774.8	776.6	778.4	780.2	782.0	783.8	785.6	787.4	789.2	791.0	792.8	794.6	796.4	798.2	800.0	801.8	803.6	805.4	807.2	809.0	810.8	812.6	814.4	816.2	818.0	819.8	821.6	823.4	825.2	827.0	828.8	830.6	832.4	834.2	836.0	837.8	839.6	841.4	843.2	845.0	846.8	848.6	850.4	852.2	854.0	855.8	857.6	859.4	861.2	863.0	864.8	866.6	868.4	870.2	872.0	873.8	875.6	877.4	879.2	881.0	882.8	884.6	886.4	888.2	890.0	891.8	893.6	895.4	897.2	899.0	900.8	902.6	904.4	906.2	908.0	909.8	911.6	913.4	915.2	917.0	918.8	920.6	922.4	924.2	926.0	927.8	929.6	931.4	933.2	935.0	936.8	938.6	940.4	942.2	944.0	945.8	947.6	949.4	951.2	953.0	954.8	956.6	958.4	960.2	962.0	963.8	965.6	967.4	969.2	971.0	972.8	974.6	976.4	978.2	980.0	981.8	983.6	985.4	987.2	989.0	990.8	992.6	994.4	996.2	998.0	999.8	1001.6	1003.4	1005.2	1007.0	1008.8	1010.6	1012.4	1014.2	1016.0	1017.8	1019.6	1021.4	1023.2	1025.0	1026.8	1028.6	1030.4	1032.2	1034.0	1035.8	1037.6	1039.4	1041.2	1043.0	1044.8	1046.6	1048.4	1050.2	1052.0	1053.8	1055.6	1057.4	1059.2	1061.0	1062.8	1064.6	1066.4	1068.2	1070.0	1071.8	1073.6	1075.4	1077.2	1079.0	1080.8	1082.6	1084.4	1086.2	1088.0	1089.8	1091.6	1093.4	1095.2	1097.0	1098.8	1100.6	1102.4	1104.2	1106.0	1107.8	1109.6	1111.4	1113.2	1115.0	1116.8	1118.6	1120.4	1122.2	1124.0	1125.8	1127.6	1129.4	1131.2	1133.0	1134.8	1136.6	1138.4	1140.2	1142.0	1143.8	1145.6	1147.4	1149.2	1151.0	1152.8	1154.6	1156.4	1158.2	1160.0	1161.8	1163.6	1165.4	1167.2	1169.0	1170.8	1172.6	1174.4	1176.2	1178.0	1179.8	1181.6	1183.4	1185.2	1187.0	1188.8	1190.6	1192.4	1194.2	1196.0	1197.8	1199.6	1201.4	1203.2	1205.0	1206.8	1208.6	1210.4	1212.2	1214.0	1215.8	1217.6	1219.4	1221.2	1223.0	1224.8	1226.6	1228.4	1230.2	1232.0	1233.8	1235.6	1237.4	1239.2	1241.0	1242.8	1244.6	1246.4	1248.2	1250.0	1251.8	1253.6	1255.4	1257.2	1259.0	1260.8	1262.6	1264.4	1266.2	1268.0	1269.8	1271.6	1273.4	1275.2	1277.0	1278.8	1280.6	1282.4	1284.2	1286.0	1287.8	1289.6	1291.4	1293.2	1295.0	1296.8	1298.6	1300.4	1302.2	1304.0	1305.8	1307.6	1309.4	1311.2	1313.0	1314.8	1316.6	1318.4	1320.2	1322.0	1323.8	1325.6	1327.4	1329.2	1331.0	1332.8	1334.6	1336.4	1338.2	1340.0	1341.8	1343.6	1345.4	1347.2	1349.0	1350.8	1352.6	1354.4	1356.2	1358.0	1359.8	1361.6	1363.4	1365.2	1367.0	1368.8	1370.6	1372.4	1374.2	1376.0	1377.8	1379.6	1381.4	1383.2	1385.0	1386.8	1388.6	1390.4	1392.2	1394.0	1395.8	1397.6	1399.4	1401.2	1403.0	1404.8	1406.6	1408.4	1410.2	1412.0	1413.8	1415.6	1417.4	1419.2	1421.0	1422.8	1424.6	1426.4	1428.2	1430.0	1431.8	1433.6	1435.4	1437.2	1439.0	1440.8	1442.6	1444.4	1446.2	1448.0	1449.8	1451.6	1453.4	1455.2	1457.0	1458.8	1460.6	1462.4	1464.2	1466.0	1467.8	1469.6	1471.4	1473.2	1475.0	1476.8	1478.6	1480.4	1482.2	1484.0	1485.8	1487.6	1489.4	1491.2	1493.0	1494.8	1496.6	1498.4	1500.2	1502.0	1503.8	1505.6	1507.4	1509.2	1511.0	1512.8	1514.6	1516.4	1518.2	1520.0	1521.8	1523.6	1525.4	1527.2	1529.0	1530.8	1532.6	1534.4	1536.2	1538.0	1539.8	1541.6	1543.4	1545.2	1547.0	1548.8	1550.6	1552.4	1554.2	1556.0	1557.8	1559.6	1561.4	1563.2	1565.0	1566.8	1568.6	1570.4	1572.2	1574.0	1575.8	1577.6	1579.4	1581.2	1583.0	1584.8	1586.6	1588.4	1590.2	1592.0	1593.8	1595.6	1597.4	1599.2	1601.0	1602.8	1604.6	1606.4	1608.2	1610.0	1611.8	1613.6	1615.4	1617.2	1619.0	1620.8	1622.6	1624.4	1626.2	1628.0	1629.8	1631.6	1633.4	1635.2	1637.0	1638.8	1640.6	1642.4	1644.2	1646.0	1647.8	1649.6	1651.4	1653.2	1655.0	1656.8	1658.6	1660.4	1662.2	1664.0	1665.8	1667.6	1669.4	1671.2	1673.0	1674.8	1676.6	1678.4	1680.2	1682.0	1683.8	1685.6	1687.4	1689.2	1691.0	1692.8	1694.6	1696.4	1698.2	1700.0	1701.8	1703.6	1705.4	1707.2	1709.0	1710.8	1712.6	1714.4	1716.2	1718.0	1719.8	1721.6	1723.4	1725.2	1727.0	1728.8	1730.6	1732.4	1734.2	1736.0	1737.8	1739.6	1741.4	1743.2	1745.0	1746.8	1748.6	1750.4	1752.2	1754.0	1755.8	1757.6	1759.4	1761.2	1763.0	1764.8	1766.6	1768.4	1770.2	1772.0	1773.8	1775.6	1777.4	1779.2	1781.0	1782.8	1784.6	1786.4	1788.2	1790.0	1791.8	1793.6	1795.4	1797.2	1799.0	1800.8	1802.6	1804.4	1806.2	1808.0	1809.8	1811.6	1813.4	1815.2	1817.0	1818.8	1820.6	1822.4	1824.2	1826.0	1827.8	1829.6	1831.4	1833.2	1835.0	1836.8	1838.6	1840.4	1842.2	1844.0	1845.8	1847.6	1849.4	1851.2	1853.0	1854.8	1856.6	1858.4	1860.2	1862.0	1863.8	1865.6	1867.4	1869.2	1871.0	1872.8	1874.6	1876.4	1878.2	1880.0	1881.8	1883.6	1885.4	1887.2	1889.0	

Concentric butterfly valve
wafer

PN10
PN16

WATER



Centric butterfly valve DN100

Product description (standard execution):

- Concentric disc made of stainless steel 1.4301, 1.4401 or ductile cast iron
- EPDM/NBR replaceable loose liner protected against axial displacement
- Stainless steel 1.4021 solid spline (not pinned) shaft with the bottom side seated in blind hole of the body
- Three-slide bearings
- Special shaped loose liner to seal with the shaft crossing
- Additional shaft sealing made of EPDM/NBR o-rings
- Body made of cast iron EN-GJS 400-15
- With lock lever up to DN200 over with gear box
- Actuator connector according to ISO 5211 (ISO top flange)
- Epoxy coating minimum 250 microns according to EN 14091
- End connection according to EN 1092-2 (DIN 2501), pressure PN10; PN16
- Face to face according to EN 558-A1 row 20 (DIN 3202)
- Product according to EN 1074-1; EN 1074-2; EN-593
- Product marking according to : EN 19; EN 1074

Application:

Water network and tanks. Transport of industrial water and non aggressive liquids.

Working conditions:
temp. up to +70°C
pressure up to 1.6 MPa.

Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1
Seat: 1,1 xPN
Body: 1,5 x PN
Operation torque test.

Accessories:

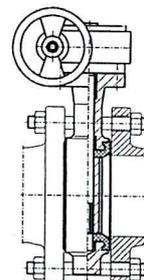
Extension spindle - see: 9010, 9011
Pillar with handwheel - see: 9113
Pillar for electric actuator - see: 9114
Street box - see: 9501

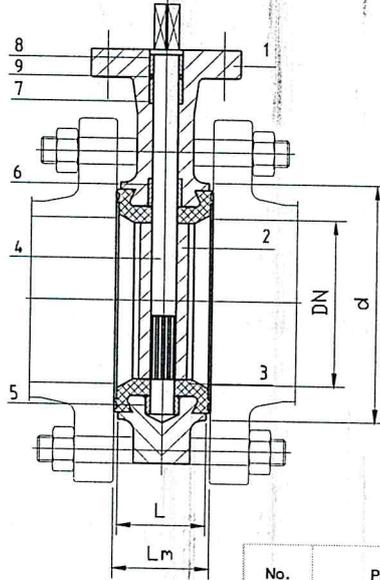
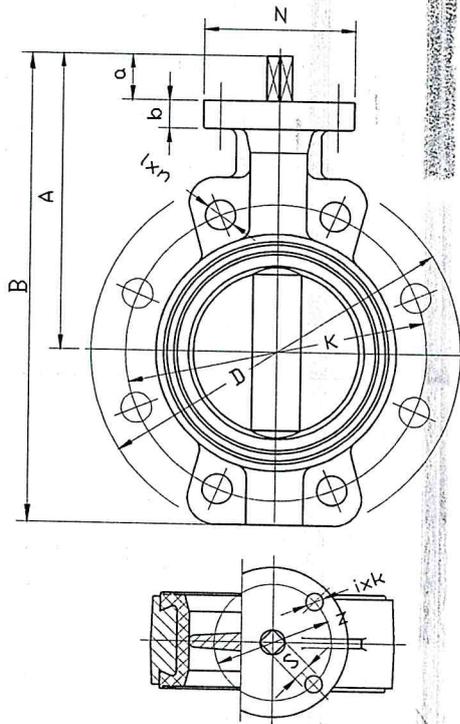
Execution variant:

With electric or pneumatic actuator
With inductive sensors
For extension spindle

Installation:

DN40-DN250 in any position. Over DN250 shaft in horizontal position





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 EN 1563
2	Disc	Stainless steel 1.4301 1.4401 EN 10088-1 Ductile cast iron EN-GJS-400-15 EN 1563
3	Ring	Rubber NBR EPDM EN ISO 1629
4	Shaft	Stainless steel 1.4021 EN 10088-1
5, 6 7, 8	Sleeve	PTFE, brass or bronze EN 1982
9	O-ring	Rubber NBR EPDM EN ISO 1629

DN	PN			L	Lm	A	B	d	D		K		I		n'		ISO 5211	i x k	N	z	S	a	Weight				
	10	16	10 / 16						PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16								ISO 5211	ISO 5211		
[mm]	[bar]			[mm]																		[szt]	[mm]				[kg]
40	v	v	v	33	36	121	176	76	150	110	19	4	F05	4x7	65	50	11	28	3								
50	v	v	v	43	45	137	222	92	165	125	19	4	F05	4x7	65	50	11	28	4								
65	v	v	v	46	49	150	235	106	185	145	19	4	F05	4x7	65	50	11	28	5								
80	v	v	v	46	49	160	245	114	200	160	19	8	F05	4x7	65	50	11	30	6								
100	v	v	v	52	55	182	280	143	220	180	19	8	F07	4x9	90	70	14	30	7								
125	v	v	v	56	59	207	328	170	250	210	19	8	F07	4x9	90	70	14	30	8								
150	v	v	v	56	59	223	357	203	285	240	23	8	F07	4x9	90	70	17	30	12								
200	v	v	v	60	63	255	418	252	340	295	23	12	F10	4x12	125	102	17	30	19								
250	v	v	v	68	72	314	510	306	395	405	350	355	23	28	12	F10	4x12	125	102	22	40	29					
300	v	v	v	78	82	342	564	364	445	460	400	410	23	28	12	F10	4x12	125	102	22	45	37					
350	v	v	v	78	82	365	640	431	505	520	460	470	23	28	16	F10	4x12	125	102	22	45	47					
400	v	v	v	102	106	410	725	480	565	580	515	525	28	31	16	F14	4x18	175	140	27	60	78					
500	v	v	v	127	131	490	866	590	670	715	620	650	28	34	20	F14	4x18	175	140	36	65	140					
600	v	v	v	154	158	565	1031	688	780	840	725	770	31	37	20	F16	4x22	210	165	36	66	207					
700	v	v	-	165	169	610	1120	800	895	910	840	31	37	24	F25	8x18	300	254	46	66	262						
800	v	v	-	190	195	738	1314	900	1015	1025	950	34	41	24	F25	8x18	300	254	46	66	-						
900	v	v	-	203	208	838	1475	1000	1115	1125	1050	34	41	28	F25	8x18	300	254	55	118	-						
1000	v	v	-	216	223	942	1643	1120	1230	1255	1160	1170	37	44	28	F25	8x18	300	254	55	142	-					
1200	v	v	-	254	263	1090	1934	1300	1455	1485	1380	1390	41	50	32	F30	8x22	350	298	-	150	-					

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

Smart Positioners YT-3300 / YT-3350 / YT-3301 / YT-3303

Torque motor technology with communications

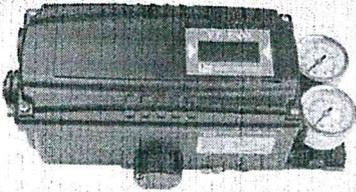
Design features

- **Auto calibration.** Simple menu structure with options to auto calibrate all parameters or zero and end points only.
- **LCD display.** Alphanumeric digital display for process values and calibration.
- **Partial Stroke Test (PST).** Fully adjustable Partial Stroke Test. All functionality can be performed and selected locally, through push buttons, or remotely with communication protocol.
- **Feedback signal.** Analogue and Digital feedback signals with 4 to 20 mA, mechanical and proximity switch options (Limit switch options for YT-3300 and YT-3350 models).
- **PID control.** Pre-calibrated and user configurable variables via front panel pushbutton menu.

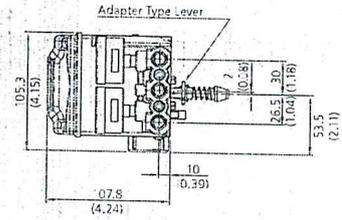
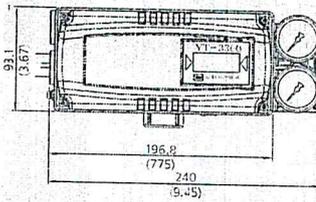
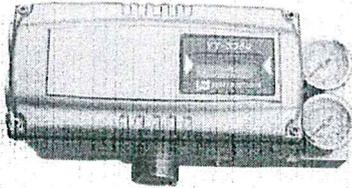
- **Auto / Manual switch.** Enables closed-loop automatic valve position control or manual positioning via the A/M switch. The manual mode is useful for troubleshooting, calibration, system testing or as a manual bypass.
- **HART communication.** Allows commands, position feedback and diagnostics to be sent digitally over the current loop.
- **Front panel pushbuttons for configuration.** 4 robust and positive acting pushbuttons for field configuration.
- **Remote Mounting Option (YT-3301 model).** Remote sensor via cable to enable the positioner to be mounted away from extreme temperature.



YT-3300 Aluminium Enclosure

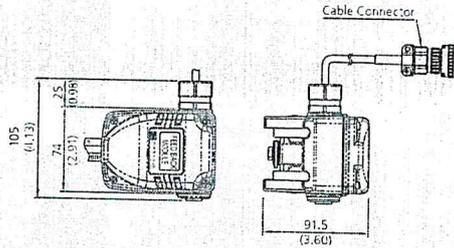
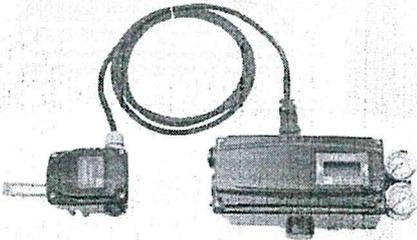


YT-3350 STS316 Enclosure

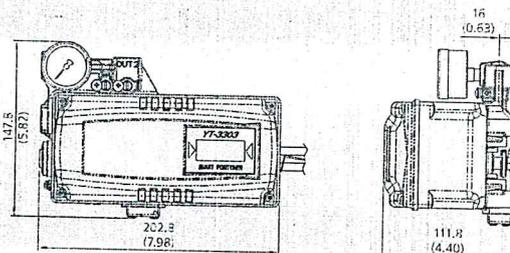
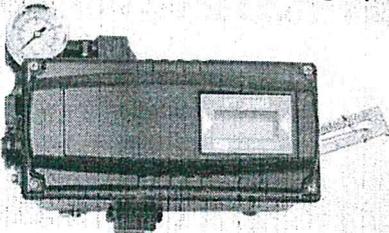


Dimensions: mm (Inches ")

YT-3301 Remote Mounting Option



YT-3303 Left Side Mounting Option



Smart Positioners YT-3300 / YT-3350 / YT-3301 / YT-3303

Item Type	YT-3300	YT-3303	YT-3350	YT-3301
Input Signal	4 - 20 mA DC			
Supply Pressure	0.14 - 0.7 MPa (1.4 - 7 bar)			
Stroke	Linear Type	10 - 150 mm		
	Rotary Type	0 - 90°		
Impedance	Max. 500 Ω @ 20 mA DC			
Air Connection	PT(NPT,G)1/4	NPT1/4	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	NPT1/8	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	G(PF)1/2	G(PF,NPT)1/2, M20	
Operating Temp.	Standard Type	-30 - 85 °C (-22 - 185 °F)		
	Low Temp. Type	-40 - 85 °C (-40 - 185 °F)		
	LCD	-30 - 85 °C (-22 - 185 °F)		
	Explosion Temp.	-40 - 60 °C (T5) -40 - 40 °C (T6)		
Remote Sensor			-40 - 120 °C (-40 - 248 °F)	
Linearity	±0.5% F.S.			
Hysteresis	±0.5% F.S.			
Sensitivity	±0.2% F.S.			
Repeatability	±0.3% F.S.			
Air Consumption	Below 2 LPM (sup = 0.14 MPa)			
Flow Capacity	70 LPM (sup = 0.14 MPa)			
Output Characteristics	Linear, EQ%, Quick Open user set (18 Point)			
Material	Aluminium Diecasting	Stainless Steel 316	Aluminium Diecasting	
Ingress Protection	IP66			
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, EX iaD IIIC T100°C/T85°C Db IP66			
	NEPSI Ex ia IIC T5/T6			
	KCs Ex ia IIC T5/T6, EX iaD IIIC T100°C/T85°C			
	CSA Certification in progress			
	FM Class I, Div 1, Groups ABCD Class I, Zone 0 AEx ia IIC Class II/III, Div 1, Groups EFG Class I, II, III, Div 2; Groups ABCDEFG NEMA Type 4X IP66 AMBIENT TEMP: -40 - 60°C (T5) / -40 - 40°C (T6)			
Communication (Option)	HART (ver.7)			
L/S Rating	Mechanical Type (Omron)	AC 125 V, 3 A DC 30 V, 2 A		AC 125 V, 3 A DC 30 V, 2 A
	Proximity Type (P&F)	DC 8.2 V, 8.2 mA		DC 8.2 V, 8.2 mA
Weight	Body	2 kg (4.4 lb)	5.1 kg (11.2 lb)	2 kg (4.4 lb)
	Remote Sensor			0.9 kg (2.0 lb)

Product Code

YT-3301 - L - S - N - 2 - 4 - 2 - 4 - S - (1)

Model

YT-3300 = Aluminium housing
YT-3301 = Aluminium housing with remote sensor
YT-3303 = Aluminium housing with right side lever
YT-3350 = Stainless steel housing

Motion Type

L = Linear
R = Rotary

Acting Type

S = Single
D = Double

Area Protection

N = Safe Area
I = Intrinsically Safe ATEX, IECEx, NEPSI, KCs
A = Intrinsically Safe CSA, FM

Lever Type

Linear	Rotary	Lever Type
0 = 10-40 mm	1 = M6 x 34L	
1 = 20-100 mm	2 = M6 x 63L	
2 = 90-150 mm	3 = M8 x 34L	
3 = 16-30 mm	4 = M8 x 63L	
4 = 16-60 mm	5 = NAMUR	
5 = 16-100 mm		
6 = 90-150 mm		

Conduit & Air Connection

1 = G1/2 - PT1/4
2 = G1/2 - NPT1/4
3 = G1/2 - G1/4
4 = M20 - NPT1/4
5 = NPT1/2 - NPT1/4

Communications

0 = NONE
2 = HART protocol communication

Output Options

0 = NONE
1 = 4-20 mA feedback
2 = Limit Switch - Mechanical Type (YT-3300 and YT-3350 only)
3 = Limit Switch - Proximity Type (YT-3300 and YT-3350 only)
4 = 4-20 mA + Limit Switch - Mechanical Type (YT-3300 and YT-3350 only)
5 = 4-20 mA + Limit Switch - Proximity Type (YT-3300 and YT-3350 only)

Operating Temp.

S = -30 to 85°C
L = -40 to 85°C

Cable Length (YT-3301 only)

Option for YT-3301 only. Standard cable length is 5 m.
1 = 5 m
2 = 10 m
3 = 15 m
4 = 20 m