



Pneumatic Actuator UPD

Introduction

Double Acting Actuator

Highlights

• Unique and simple design

• Less footprint, less weight and lower maintenance required

• Local position

• Easy mounted to all quarter-turn valves

• Unlimited mounting positions

• For dry mounting conditions

• Other treatment upon request

• Standard: Air (Dry or Lubricated) or inert gases (non-dangerous fluids)

• Options (require rebuilding): Oxygen, Hydraulic oil or water

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Housing: Aluminum Extrusion(Other material on request)

• Shaft: Carban steel; Stainless steel option

• Left Cover: Aluminum die Casting

• Piston Ring: POM

• Sealing: NBR

• Bolts: Stainless steel

• 2.5 ~ 10.0 Bar

• Pre-set 7 Bar if without special requirement



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RECOMMENDED

• Piston and rack segments: Statoil Moluway LI 712 or similar

O-rings and plastic parts: Statoil Uniway LIX
 42 PA or similar

Working Temperature

• NBR Sealing (standard) : -30°C to 80°C

• Viton Sealing (Option) : -20°C to 175°C

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Double acting actuator output torque (Nm) and model

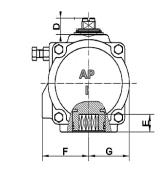
Act.	Air Pressure / output torque (Nm)													
model	2.5bar	3.0bar	3.5bar	4.0bar	4.5bar	5.0bar	5.5bar	6.0bar	7.0bar	8.0bar				
UPD042	3.6	4.3	5	5.7	6.4	7.3	8	8.7	10	11.6				
UPD050	8.3	10.0	11.6	13.3	15.0	16.6	18.3	19.9	23.3	26.6				
UPD063	14.7	17.6	20.5	23.5	26.4	29.3	32.2	35.2	41.0	46.9				
UPD075	29.1	34.9	40.7	46.5	52.3	58.2	64.0	69.8	81.4	93.0				
UPD088	45.7	54.9	64.0	73.2	82.3	91.5	101	110	128	146				
UPD110	66.5	79.7	93.0	106	120	133	146	160	186	213				
UPD115	107	129	150	172	193	215	236	258	301	344				
UPD125	138	166	194	221	249	277	304	332	387	443				
UPD145	217	261	304	348	391	434	478	521	608	695				
UPD160	283	340	397	453	510	567	623	680	793	907				
UPD190	538	646	753	861	969	107	1185	1292	1508	1723				
UPD210	658	789	920	1052	1184	1316	1447	1579	1842	2105				
UPD240	966	1160	1352	1546	1740	1933	2126	2320	2706	3093				
UPD270	1468	1761	2055	2349	2642	2936	3229	3523	4110	4697				
UPD300	1908	2289	2670	3052	3434	3815	4197	4578	5341	6104				
UPD350	2856	3427	3998	4570	5141	5712	6283	6854	7997	9139				
UPD400	4069	4883	5697	6511	7325	8139	8953	9767	11394	13022				

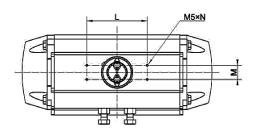
API Marine | UPD 03

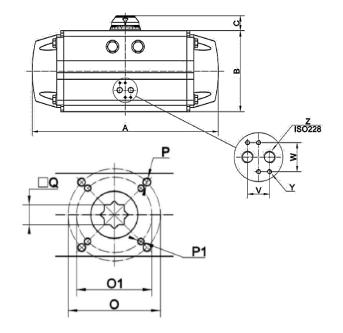
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- Rotation: 90° ± 5
 - Closing direction: Clockwise (Air to close)
 - Opening direction: Anti-clockwise (Air to open)
 - End stop adjustment: Front Cap
 - Male stud coupling: OD6 to OD10
 - The UPD actuators are designed for pipe connection to the G1/8 to G1/2 actuator port



- Fresh water; Sea water; Fuel oil; Chemical and special order
- Dry or submerged installation
- Mounting on horizon or vertical or any position







Model	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD
Model	063	075	088	100	115	125	145	160	190	210	240	270	300	350	400
flange	F03/F05	03/F05 F05/F07 F07/F10			F10/	F10/F12 F12/F14			F16			F16/F25			
Α	162	212	248	270	318	345	408	440	530	592	670	723	870	935	1035
В	84	100	115	126	145	157	178	196	233	255	292	332	355	410	466
С	20	23	23	23	23	33	33	33	33	33	33	33	33	33	33
D	19	20	20	20	20	30	30	30	30	30	2 5	2 5	25	25	25
E	16	16	19	19	24	24	29	29	38	38	48	48	48	48	48
F	46	52	56	67	78	80	91	100	112	121	130	147	173	195	260
G	36	41.5	49	56	64	71	80	88	105	116	130	147	161	190	260
L	80	80	80	80	80	80	130	130	130	130	130	130	130	130	130
М	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
N								M5x9							
0	52	70	70	102	102	102	125	140	140	140	165	165	165	254	254
Р	M6x9	M8:	c 12		M10x15		M12x18	M12x18 4xM16x24			4	1xM20x30)	M16x24	
01	36	50	50	70	70	70	102	102	125	125	-	-	-	165	165
P1	M5x8	4-M	6x9		M8x12		M10	M10x15		M12x18		-	-	M20	0x30
Q	14	14	17	17	22	22	27	27	36	36	46	46	46	46	46
V	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40
W	36										45				
Υ	M5x9									M6x10					
Z		G1/8"					G1	/4"				G3/8" G1/2"			

Double acting actuator output torque (Nm) and model

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Single Acting Actuator

Highlights

• Unique and simple design

- Less footprint, less weight and lower maintenance required
- Local position
- Easy mounted to all quarter-turn valves
- Unlimited mounting positions
- For dry mounting conditions
- Other treatment upon request
- Standard: Air (Dry or Lubricated) or inert gases (non-dangerous fluids)
- Options (require rebuilding): Oxygen, Hydraulic oil or water

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- Housing: Aluminum Extrusion(Other material on request)
- Shaft: Carban steel; Stainless steel option
- Left Cover: Aluminum die Casting
- Piston Ring: POM
- Sealing: NBR
- Bolts: Stainless steel
- 2.5 ~ 10.0 Bar
- Pre-set 7 Bar if without special requirement



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RECOMMENDED

- Piston and rack segments: Statoil Moluway
 LI 712 or similar
- O-rings and plastic parts: Statoil Uniway LIX
 42 PA or similar

Working Temperature

 \bullet NBR Sealing (standard) : -30°C to 80°C

• Viton Sealing (Option): -20°C to 175°C

8.0Bar

58.4 88.5

134

212

327 437

575

1072

1306 1817

3042

3747

5356

7526

Spring Torque

36.7

50.6

82

165

224

379

721

1060

1460

2346

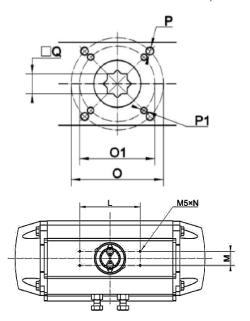
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Single acting actuator output torque (Nm) and model
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Single

Actuator Model	4.5Bar	5.0Bar	5.5 B ar	6.0Bar	7.0Bar	
UPS073	17.7	23.5	29.3	35.1	46.7	
UPS088	24.5	33.7	42.8	52	70.2	
UPS100	40.7	54	67.3	80.5	107	
UPS115	62.1	83.6	105	127	170	
UPS125	84	112	140	167	223	
UPS145	133	177	220	263	350	Г
UPS160	178	235	291	348	461	
UPS190	210	426	535	641	857	
UPS210	253	517	657	780	1043	
UPS240	566	745	923	1102	1459	
UPS270	982	1281	1567	1868	2455	
UPS300	1074	1458	1837	2221	2984	Г
UPS350	1362	1929	2503	3071	4212	
UPS400	3041	2653	4669	4281	5908	

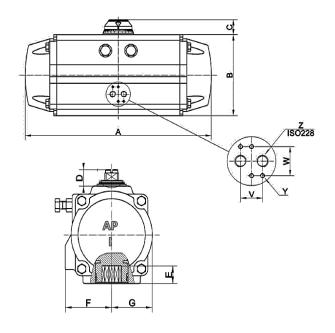
API Marine | UPD 05

- Rotation: 90° ± 5
- Closing direction: Clockwise (Air to close)
- Opening direction: Anti-clockwise (Air to
- End stop adjustment: Front Cap
- Male stud coupling: OD6 to OD10
- The UPD actuators are designed for pipe connection to the G1/8 to G1/2 actuator port





- Fresh water; Sea water; Fuel oil; Chemical and special order
- Dry or submerged installation
- Mounting on horizon or vertical or any position



	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	UPD	
Model	063	075	088	100	115	125	145	160	190	210	240	270	300	350	400	
flange	F03/F05	F05	/F07		F07/F10		F10/F12		F12/F14		F16			F16	F16/F25	
Α	162	212	248	270	318	345	408	440	530	592	670	723	870	935	1035	
В	84	100	115	126	145	157	178	196	233	255	292	332	355	410	466	
С	20	23	23	23	23	33	33	33	33	33	33	33	33	33	33	
D	19	20	20	20	20	30	30	30	30	30	2 5	2 5	2 5	25	25	
E	16	16	19	19	24	24	29	29	38	38	48	48	48	48	48	
F	46	52	56	67	78	80	91	100	112	121	130	147	173	195	260	
G	36	41.5	49	56	64	71	80	88	105	116	130	147	161	190	260	
L	80	80	80	80	80	80	130	130	130	130	130	130	130	130	130	
М	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
N								M5x9								
0	52	70	70	102	102	102	125	140	140	140	165	165	165	254	254	
Р	M6x9	M8:	c 12		M10x15		M12x18 4xM16x24				1xM20x30)	M16x24			
01	36	50	50	70	70	70	102	102	125	125	-	-	-	165	165	
P1	M5x8	4-M	6x9		M8x12		M10)x15	M12x18		-	-	-	M20	0x30	
Q	14	14	17	17	22	22	27	27	36	36	46	46	46	46	46	
V	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40	
W	36									45						
Υ	M5x9									M6x10						
Z	G1/8" G1/4"									G3/8" G1/2"						

Submerged Double Acting Actuator

Highlights

• Unique and simple design

- Less footprint, less weight and lower maintenance required
- Local position
- Easy mounted to all quarter-turn valves
- Unlimited mounting positions
- For submerged mounting conditions
- Other treatment upon request
- Standard: Air (Dry or Lubricated) or inert gases (non-dangerous fluids)
- Options (require rebuilding): Oxygen, Hydraulic oil or water



- Housing: Aluminum Bronze (Other material on request)
- Shaft: Stainless steel
- Both Cover: Aluminum Bronze
- Piston Ring: POM
- Sealing: NBR
- Bolts: Stainless steel
- Male stud: Stainless steel
- Cable gland: Stainless Steel
- 2.5 ~ 10.0 Bar
- Pre-set 7 Bar if without special requirement



RECOMMENDED

- Piston and rack segments: Statoil Moluway LI 712 or similar
- O-rings and plastic parts: Statoil Uniway LIX 42 PA or similar

Working Temperature

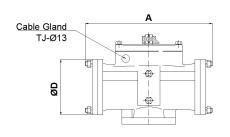
• NBR Sealing (standard) : -30°C to 80°C

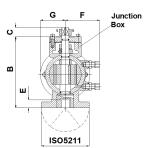
• Viton Sealing (Option): -20°C to 175°C

Working Pressure

Single acting actuator output torque (Nm) and model

Actuator	Air Pressure/output torque (Nm)												
Model	2.5Bar	3.0Bar	3.5Bar	4.0Bar	4.5Bar	5.0Bar	5.5Bar	6.0Bar	7.0Bar	8.0Bar			
UPS088	45.7	54.9	64	73.2	82.3	91.5	101	110	128	146			
UPS115	107	129	150	172	193	215	236	258	301	344			
UPS145	217	261	304	348	391	434	478	521	608	695			
UPS190	538	646	753	861	969	107	1185	1292	1508	1723			
UPS240	966	1160	1352	1546	1740	1933	2126	2320	2706	3093			
UPS300	1908	2289	2670	3052	3434	3815	4197	4578	5341	6104			







With state-of-the-art technology we bring efficiency to our customers

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API Marine is certified according to ISO 9001:2015 and our products carry the ATEX PQAN approval.

We want to contribute to our customer's profitability by supplying high quality products, excellent service and state-of-the-art high-tech solutions, where reliability and durability are keywords!

