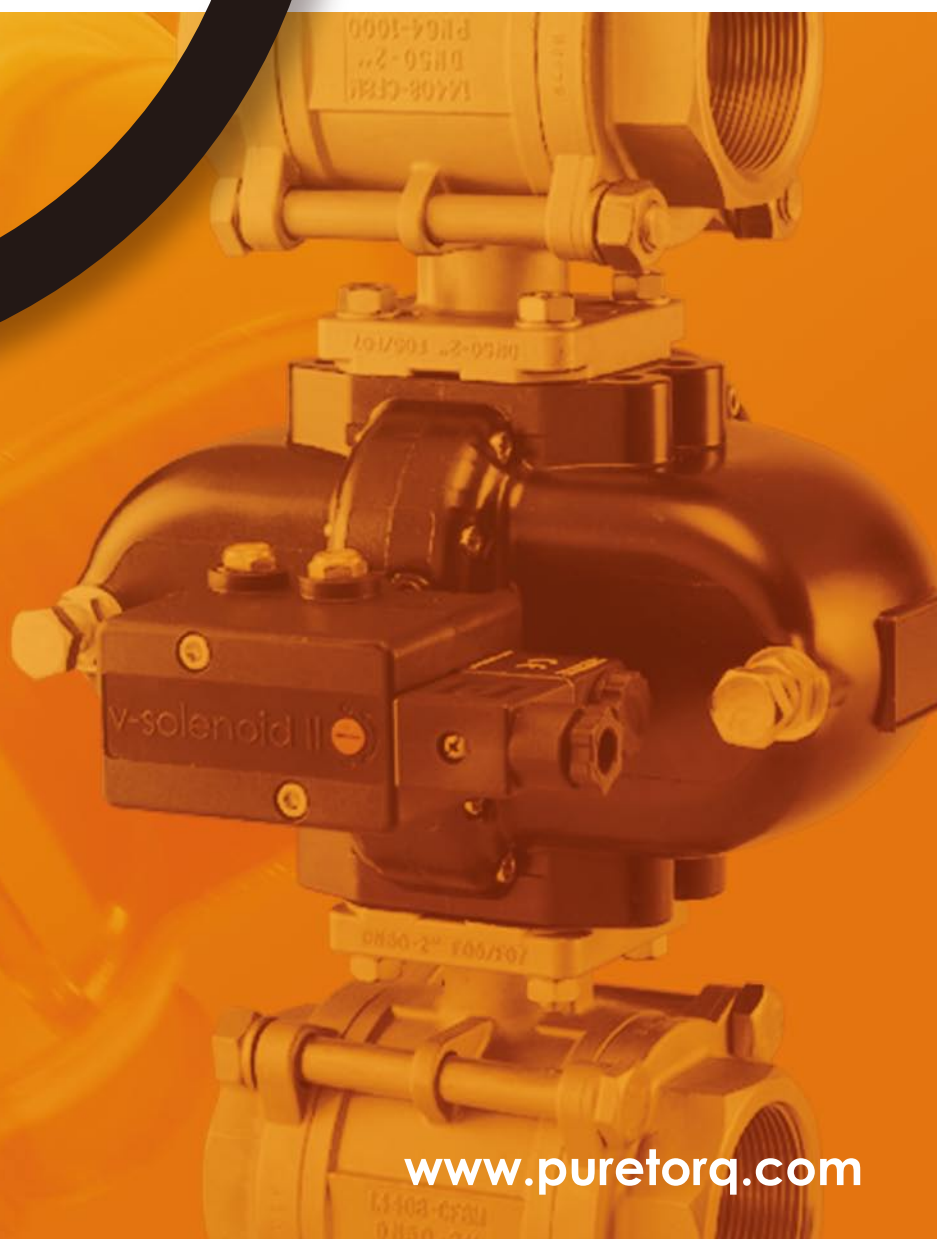
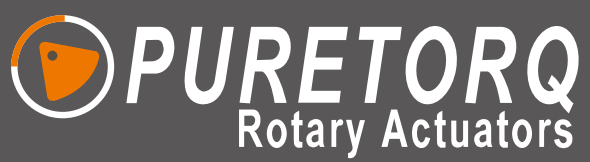
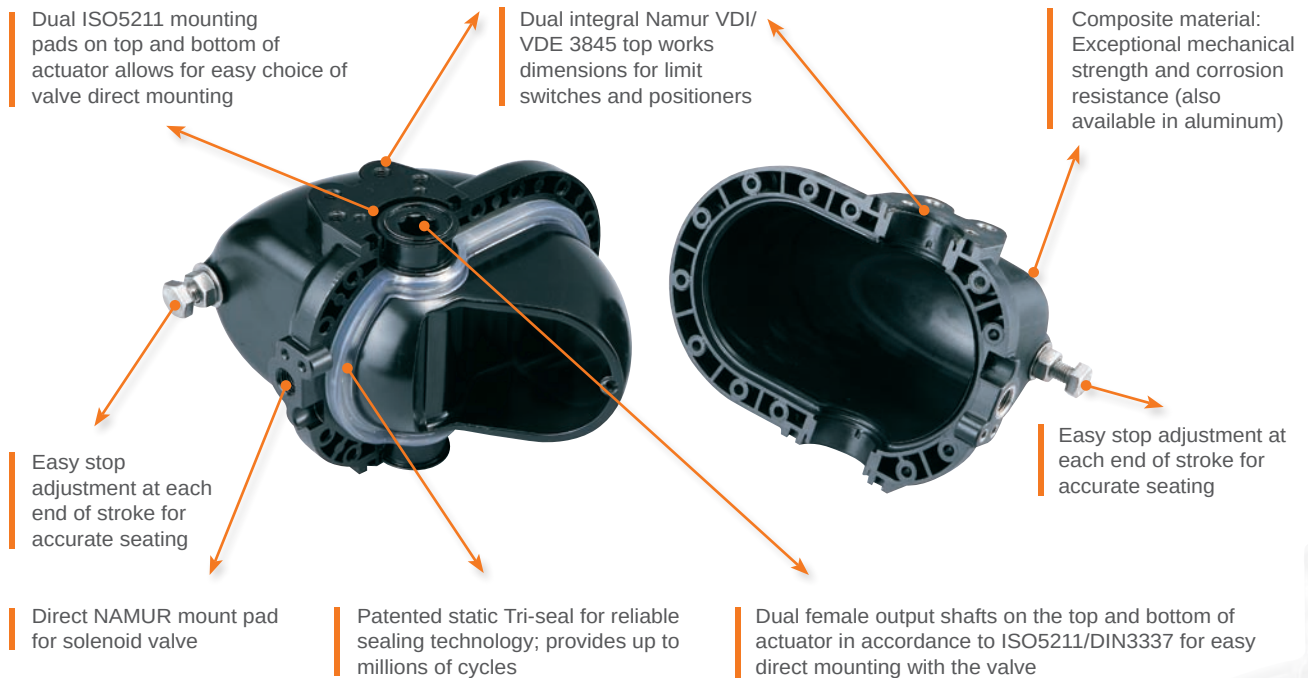




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Puretorq Vane Type Actuator

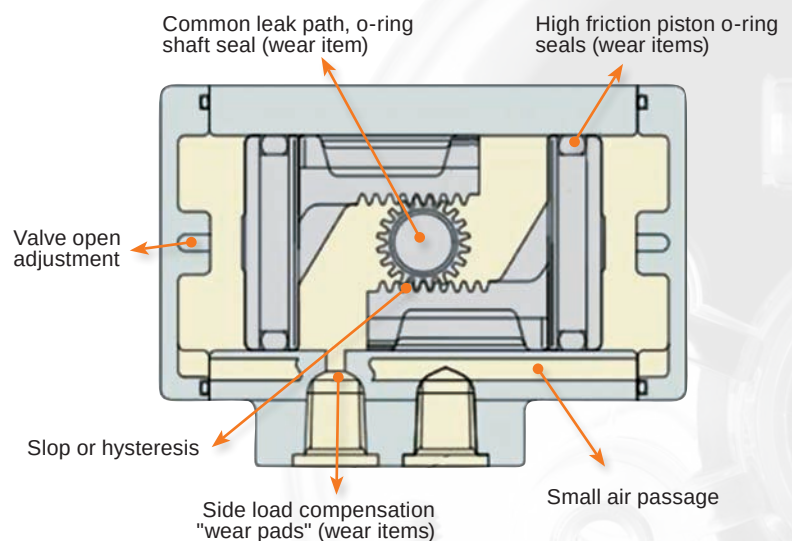
Puretorq, using the vane design, utilizes the rotary-to-rotary motion principle providing the reliability for modulating and simple on/off applications at costs more competitive to Rack & Pinion actuators



Features

► Puretorq Actuators are the Ideal Design for Modulating

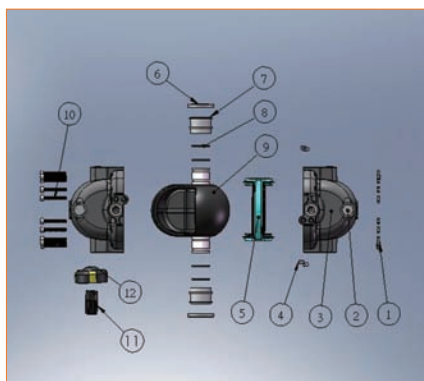
Conventional Rack & Pinion actuators can not avoid the hysteresis caused by the gap between the rack and the pinion, inducing motion errors when utilized in modulation application. Puretorq actuators do not have these issues and can provide the reliability for modulating and simple on/off application.



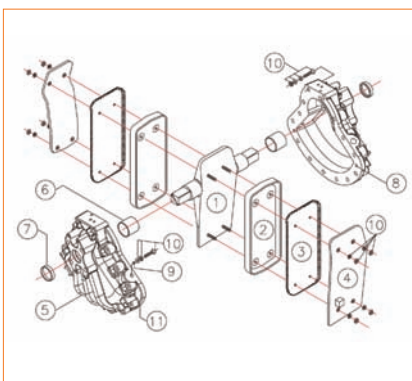
► Simple Design

Puretorq's simple design results in far fewer parts than conventional Rack & Pinion or other Vane type designs. This results in better reliability, longer life, significantly lower cost and lower maintenance cost compared to our competitor's actuator.

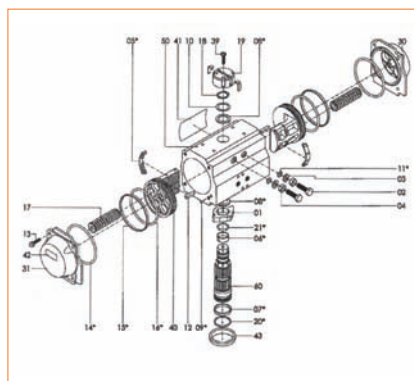
Puretorq Vane Type Actuator



Other Vane Type Actuator



Typical Rack & Pinion



► Patented Fixed Tri-Seal



Puretorq's life cycle has been tested to **millions** of cycles in Double Acting, Fail-Safe and Spring Return versions, lasting longer than the conventional Rack & Pinion actuator. Air pressure is used to create the sealing due to the V-shape of the Tri-seal. The air pressure produces a tight seal at the contact of "seal to vane" and "seal to housing".

Patent worldwide:

U.S.A. 6,511,040 ; 6,318,701

EPC UK 97942744

Italy 97942744

China z1 2007 1 0014807.0

Taiwan 155762 ; 143286

All other areas patent pending

Puretorq Vane Type Actuator

► Direct NAMUR Mount Pad for Solenoid Valve



- Provides compatibility with a broad range of solenoid suppliers and the option of direct piping

► Single Moving Vane

- The vane is the only moving part of the actuator and is comprehensively integrated with the shaft. Zero hysteresis occurs from the actuator to the valve stem
- Unlike a Rack & Pinion shaft, Puretorq's shaft is constructed symmetrically allowing for better balance thereby mitigating unwanted friction and improving actuator life



Rack & Pinion Shaft



► External Single Acting Spring Return Unit

- Sealed, non-breathing housing protects spring in corrosive environments



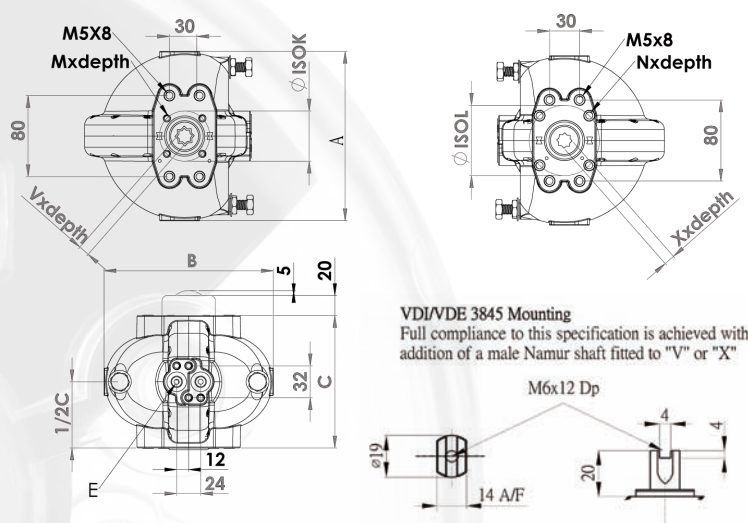
► Dual Female Drive

- As per ISO standards, Puretorq has incorporated a female drive in its design thereby allowing for direct mounting on both sides
- Most Vane type actuator do not allow direct mounting; its design only supports male drive, therefore a bracket and coupler is needed complicating the construction of a control valve system and increasing the chance for hysteresis



► Supports Dual ISO

- With symmetric construction, all Puretorq actuators have two different (or equal) sets of standard ISO5211 bolting patterns and ISO double square female drive shafts, thereby allowing either side (or both sides) to be used to operate 1/4 turn vales



Puretorq Vane Type Actuator

► Dual VDI/VDE 3845 Mounting Pads

- Puretorq vane type actuator fully complies with VDI/VDE 3845 standards, and provides the compatibility and direct mounting of limit switch, positioner and a broad range of auxiliary products



► Comparison Overview

Actuator Design Comparison		
	Vane Type Actuator	Rack & Pinion
Torque Efficiency	✓	✗
Rotary-to-Rotary Movement	✓	✗
No Hysteresis, Ideal for Modulating	✓	✗
Simple Maintenance	✓	✗
Easy Stroke Travel Adjustment	✓	✗

Vane Type Actuator Comparison		
	Puretorq	Other Vane Actuators
Parts	Few	Complicated
Price	<u>One of the most competitive in market</u>	<u>One of the most expensive in market</u>
Universal Standard	ISO & NAMUR	Non-Standard
Corrosion Resistance	Superior	Limited

Technical Details

	Aluminum Model	Composite Model
Design	Rotary-to-rotary motion vane type actuator	
	Type VDA = Double Acting	
	Type VSR = Single Acting (with spring return unit)	
Construction	Patented fixed Tri-seal with moving vane principle. The vane is the only moving part in the actuator and is comprehensively integrated to the shaft, resulting in zero hysteresis to the valve stem	
Features	Symmetric construction to allow dual ISO mounting pads and drive pinions	
Standards for Mounting Specifications	- Interface Actuator / Valve: 4 or 8 female threads and 1 drive pinion on both top and bottom of actuator according to EN ISO5211 - Interface Actuator / Control Units: According to NAMUR i.e. VDI/VDE 3845 - Interface Actuator / Signal Units: According to NAMUR i.e. VDI/VDE 3845	- Interface Actuator / Valve: 4 or 8 female threads and 1 drive pinion on both top and bottom of actuator according to EN ISO5211 - Interface Actuator / Control Units: According to NAMUR i.e. VDI/VDE 3845 - Interface Actuator / Control Units: According to NAMUR i.e. VDI/VDE 3845 Stainless steel thread inserts
	Option 1. Alternative mounting and connection dimensions possible 2. Drive Pinion selectable with Double D or Key Way 3. Hollow drive pinion possible for direct mounting with longer stem	
	Body: Aluminum alloy Vane: Aluminum alloy Seal: Polyurethane Bushing: SS304 Spring: Clock type spring steel (VSR1000A and higher) Musical wire (VSR050A to VSR500A)	Body: High corrosion resistance glass reinforced polyamide composite material Vane: Aluminum alloy Seal: Polyurethane Bushing: SS304 Spring: Clock type spring steel (VSR1000A and higher) Musical wire (VSR050C to VSR500C)
Operating Temperature	-20°C to +75°C (-4°F to +167°F)	
	(Use very dry air with all moisture removed for sub-zero temperatures)	
Operating Media	Air (dry or lubricated)	
Travel Adjustment	90° +/- 4°	90° +/- 4°
Supply Pressure	120 psi (8 BAR) max	120 psi (8 BAR) max

Puretorq Vane Type Actuator

Puretorq Vane Type Actuator Torque Output Table (Imperial)

Double Acting Torque Output										
Model	PSIG	40 psi	50 psi	60 psi	70 psi	80 psi	90 psi	100 psi	110 psi	120 psi
VDA100	in-lb	31	42	51	60	69	79	88	97	106
VDA200	in-lb	83	102	125	148	169	191	214	235	258
VDA300	in-lb	136	171	203	235	270	304	336	375	415
VDA500	in-lb	272	338	414	493	578	651	722	793	863
VDA1100	in-lb	575	752	920	1,090	1,255	1,412	1,587	1,779	1,938
VDA2000	in-lb	1,118	1,387	1,669	1,947	2,226	2,504	2,793	3,064	3,336
VDA3800	in-lb	1,662	2,111	2,588	3,074	3,554	4,053	4,540	5,046	5,526
VDA6800	in-lb	2,711	3,402	4,087	4,793	5,503	6,183	6,903	7,590	8,364

Single Acting Torque Output																					
Model	Preload of Spring	Operating Pressure (PSI)																		Spring Stroke	
		40		50		60		70		80		90		100		110		120			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
VSR50	1/4 Turn	19	10	28	12	38	21	46	35	56	47	65	56	77	67	88	72	99	83	21	0
	3/8 Turn			19	7	33	19	44	33	51	42	61	51	72	63	83	70	93	79	32	0
	1/2 Turn					21	17	35	30	47	38	56	47	67	58	72	67	83	74	35	16
	5/8 Turn **					19	14	33	24	42	31	51	42	63	51	70	60	79	67	37	32
	3/4 Turn							30	17	38	26	47	35	58	46	67	54	74	61	42	35
VSR100	1/4 Turn	38	19	60	35	81	54	100	76	123	99	146	120	168	141	191	166	212	189	50	0
	3/8 Turn			47	23	70	44	90	65	113	86	132	111	157	132	178	154	200	177	64	0
	1/2 Turn					54	30	76	51	99	72	120	95	141	116	166	138	189	161	73	50
	5/8 Turn					44	17	65	38	86	63	111	84	132	107	154	129	177	150	83	64
	3/4 Turn **							51	26	72	49	95	72	116	93	138	116	161	138	94	73
VSR150	1/4 Turn	88	35	120	69	152	104	189	138	223	173	256	207	292	242	327	279	362	316	80	0
	3/8 Turn			95	44	129	76	164	111	198	148	233	182	267	217	299	253	332	286	106	0
	1/2 Turn			69	23	104	56	138	92	173	125	207	161	242	192	279	230	316	263	133	80
	5/8 Turn **					76	33	111	67	148	102	182	136	217	169	253	207	286	242	158	106
	3/4 Turn							92	51	125	84	161	120	192	152	230	184	263	217	179	133
VSR200	1/4 Turn	185	97	254	164	327	237	398	304	476	377	548	454	619	525	690	598	759	665	129	0
	3/8 Turn	125	38	191	102	263	169	338	240	410	313	485	378	557	456	624	490	700	568	177	0
	1/2 Turn			164	72	237	138	304	207	377	277	454	348	525	415	598	495	665	534	207	129
	5/8 Turn			102	37	169	100	240	171	313	240	378	313	456	382	490	454	568	525	243	177
	3/4 Turn **					138	69	207	132	277	203	348	272	415	339	495	408	534	488	285	207
VSR500	1/4 Turn	446	253	582	415	750	578	918	734	1,111	897	1,271	1,069	1,446	1,237	1,603	1,405	1,761	1,577	117	0
	3/8 Turn	246	201	481	361	653	525	810	693	971	855	1,129	1,021	1,294	1,191	1,465	1,363	1,656	1,532	215	0
	1/2 Turn	253	127	415	277	578	435	734	603	897	770	1,069	938	1,237	1,113	1,405	1,281	1,577	1,453	317	117
	5/8 Turn	201	88	361	217	525	378	693	541	855	709	1,021	881	1,191	1,051	1,363	1,219	1,532	1,393	386	215
	3/4 Turn **			277	182	435	350	603	508	770	676	938	851	1,113	1,024	1,281	1,191	1,453	1,363	427	317
VSR1500	1-1/2 Turn	168	87	582	481	1,044	929	1,499	1,425	2,019	1,878	2,446	2,361	2,926	2,835	3,407	3,319	3,890	3,800	680	611
	1-3/4 Turn			481	417	929	840	1,425	1,322	1,878	1,764	2,361	2,239	2,835	2,731	3,319	3,219	3,800	3,682	758	680
	2 Turn			417	270	840	734	1,322	1,175	1,764	1,676	2,239	2,136	2,731	2,596	3,219	3,088	3,682	3,547	844	758
	2-1/4 Turn **			270	164	734	570	1,175	1,037	1,676	1,518	2,136	1,977	2,596	2,455	3,088	2,929	3,547	3,428	922	844
VSR3000	1-1/2 Turn			230	95	947	676	1,490	1,332	2,149	1,998	2,842	2,641	3,524	3,303	4,241	3,993	4,917	4,694	2,586	2,337
	1-3/4 Turn					800	635	1,428	1,267	2,083	1,933	2,772	2,586	3,439	3,250	4,117	3,951	4,843	4,666	2,974	2,767
	1-5/8 Turn **					676	617	1,332	1,184	1,998	1,833	2,641	2,492	3,303	3,147	3,993	3,818	4,969	4,489	2,671	2,446
	2-1/4 Turn					386	342	947	926	1,587	1,543	2,231	2,187	2,898	2,854	3,585	3,541	4,240	4,196	3,197	2,974

** Standard default of preload spring

Puretorq Vane Type Actuator Torque Output Table (Metric)

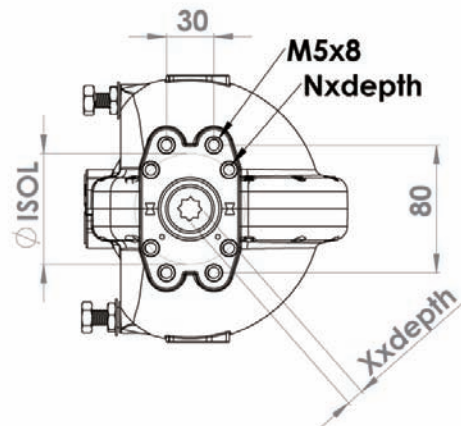
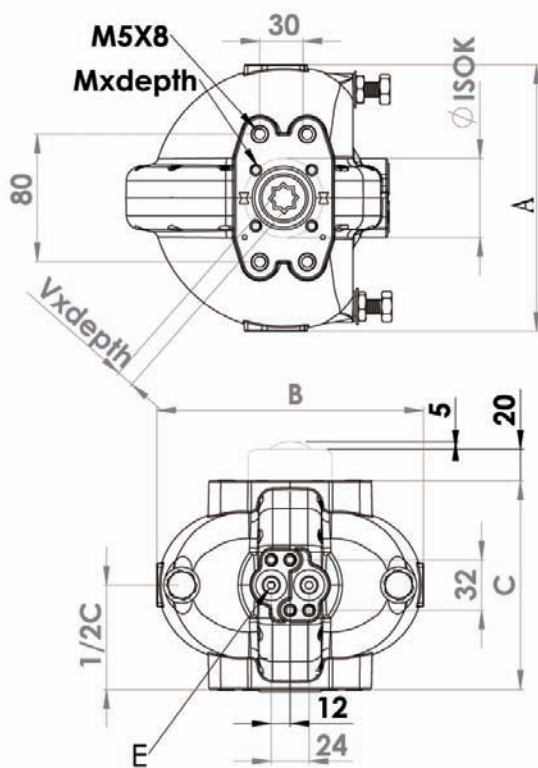
Double Acting Torque Output										
Model	BAR	2.8 BAR	3.4 BAR	4.1 BAR	4.8 BAR	5.5 BAR	6.2 BAR	6.9 BAR	7.6 BAR	8.3 BAR
VDA100	Nm	3.5	4.7	5.8	6.8	7.8	8.9	9.9	11.0	12.0
VDA200	Nm	9.4	11.5	14.1	16.7	19.1	21.6	24.2	26.6	29.2
VDA300	Nm	15.4	19.3	22.9	26.6	30.5	34.4	38.0	42.4	46.9
VDA500	Nm	30.7	38.2	46.8	55.7	65.3	73.6	81.6	89.6	97.5
VDA1100	Nm	65.0	85.0	104.0	123.2	141.8	159.6	179.3	201.0	219.0
VDA2000	Nm	126.3	156.7	188.6	220.0	251.5	283.0	315.6	346.2	377.0
VDA3800	Nm	187.8	238.5	292.4	347.4	401.6	458.0	513.0	570.2	624.4
VDA6800	Nm	306.3	384.4	461.8	541.6	621.8	698.7	780.0	857.7	945.1

Single Acting Torque Output																					
Model	Preload of Spring	Operating Pressure (BAR)																		Spring Stroke	
		2.8		3.4		4.1		4.8		5.5		6.2		6.9		7.6		8.3			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
VSR50	1/4 Turn	2.1	1.1	3.2	1.4	4.3	2.4	5.2	4.0	6.3	5.3	7.3	6.3	8.7	7.6	9.9	8.1	11.2	9.4	2.4	0.0
	3/8 Turn			2.1	0.8	3.7	2.1	5.0	3.7	5.8	4.7	6.9	5.8	8.1	7.1	9.4	7.9	10.5	8.9	3.6	0.0
	1/2 Turn					2.4	1.9	4.0	3.4	5.3	4.3	6.3	5.3	7.6	6.6	8.1	7.6	9.4	8.4	4.0	1.8
	5/8 Turn **					2.1	1.6	3.7	2.7	4.7	3.5	5.8	4.7	7.1	5.8	7.9	6.8	8.9	7.6	4.2	3.6
	3/4 Turn							3.4	1.9	4.3	2.9	5.3	4.0	6.6	5.2	7.6	6.1	8.4	6.9	4.8	4.0
VSR100	1/4 Turn	4.3	2.1	6.8	4.0	9.2	6.1	11.3	8.6	13.9	11.2	16.5	13.6	19.0	15.9	21.6	18.8	24.0	21.4	5.6	0.0
	3/8 Turn			5.3	2.6	7.9	5.0	10.2	7.3	12.8	9.7	14.9	12.5	17.7	14.9	20.1	17.4	22.6	20.0	7.2	0.0
	1/2 Turn					6.1	3.4	8.6	5.8	11.2	8.1	13.6	10.7	15.9	13.1	18.8	15.6	21.4	18.2	8.2	5.6
	5/8 Turn					5.0	1.9	7.3	4.3	9.7	7.1	12.5	9.5	14.9	12.1	17.4	14.6	20.0	17.0	9.4	7.2
	3/4 Turn **							5.8	2.9	8.1	5.5	10.7	8.1	13.1	10.5	15.6	13.1	18.2	15.6	10.6	8.2
VSR150	1/4 Turn	9.9	4.0	13.6	7.8	17.2	11.8	21.4	15.6	25.2	19.5	28.9	23.4	33.0	27.3	37.0	31.5	40.9	35.7	9.0	0.0
	3/8 Turn			10.7	5.0	14.6	8.6	18.5	12.5	22.4	16.7	26.3	20.6	30.2	24.5	33.8	28.6	37.5	32.3	12.0	0.0
	1/2 Turn			7.8	2.6	11.8	6.3	15.6	10.4	19.5	14.1	23.4	18.2	27.3	21.7	31.5	26.0	35.7	29.7	15.0	9.0
	5/8 Turn **					8.6	3.7	12.5	7.6	16.7	11.5	20.6	15.4	24.5	19.1	28.6	23.4	32.3	27.3	17.8	12.0
	3/4 Turn							10.4	5.8	14.1	9.5	18.2	13.6	21.7	17.2	26.0	20.8	29.7	24.5	20.2	15.0
VSR200	1/4 Turn	20.9	11.0	28.7	18.5	37.0	26.8	45.0	34.4	53.8	42.6	61.9	51.3	69.9	59.3	78.0	67.6	85.8	75.1	14.6	0.0
	3/8 Turn	14.1	4.3	21.6	11.5	29.7	19.1	38.2	27.1	46.3	35.4	54.8	42.7	62.9	51.5	70.5	55.4	79.1	64.2	20.0	0.0
	1/2 Turn			18.5	8.1	26.8	15.6	34.4	23.4	42.6	31.3	51.3	39.3	59.3	46.9	67.6	55.9	75.1	60.3	23.4	14.6
	5/8 Turn			11.5	4.2	19.1	11.3	27.1	19.3	35.4	27.1	42.7	35.4	51.5	43.2	55.4	51.3	64.2	59.3	27.4	20.0
	3/4 Turn **					15.6	7.8	23.4	14.9	31.3	22.9	39.3	30.7	46.9	38.3	55.9	46.1	60.3	55.1	32.2	23.4
VSR500	1/4 Turn	50.4	28.6	65.8	46.9	84.8	65.3	103.7	82.9	125.5	101.4	143.6	120.8	163.4	139.8	181.1	158.8	199.0	178.2	13.2	0.0
	3/8 Turn	27.8	22.7	54.4	40.8	73.8	59.3	91.5	78.3	109.7	96.6	127.6	115.4	146.2	134.6	165.5	154.0	187.1	173.1	24.3	0.0
	1/2 Turn	28.6	14.4	46.9	31.3	65.3	49.2	82.9	68.1	101.4	87.0	120.8	106.0	139.8	125.8	158.8	144.8	178.2	164.2	35.8	13.2
	5/8 Turn	22.7	9.9	40.8	24.5	59.3	42.7	78.3	61.1	96.6	80.1	115.4	99.6	134.6	118.8	154.0	137.7	173.1	157.4	43.6	24.3
	3/4 Turn **			31.3	20.6	49.2	39.6	68.1	57.4	87.0	76.4	106.0	96.2	125.8	115.7	144.8	134.6	164.2	154.0	48.2	35.8
VSR1500	1-1/2 Turn	19.0	9.8	65.8	54.4	118.0	105.0	169.4	161.0	228.1	212.2	276.4	266.8	330.6	320.4	385.0	375.0	439.6	429.4	76.8	69.0
	1-3/4 Turn			54.4	47.1	105.0	94.9	161.0	149.4	212.2	199.3	266.8	253.0	320.4	308.6	375.0	363.7	429.4	416.1	85.6	76.8
	2 Turn			47.1	30.5	94.9	82.9	149.4	132.8	199.3	189.4	253.0	241.4	308.6	293.3	363.7	348.9	416.1	400.8	95.4	85.6
	2-1/4 Turn **			30.5	18.5	82.9	64.4	132.8	117.2	189.4	171.5	241.4	223.4	293.3	277.4	348.9	331.0	400.8	387.4	104.2	95.4
VSR3000	1-1/2 Turn			26.0	10.7	107.0	76.4	168.4	150.5	242.8	225.8	321.1	298.4	398.2	373.2	479.2	451.2	555.6	530.4	292.2	264.0
	1-3/4 Turn					90.4	71.8	161.4	143.2	235.4	218.4	313.2	292.2	388.6	367.3	465.2	446.5	547.3	527.3	336.0	312.6
	1-5/8 Turn **					76.4	69.7	150.5	133.8	225.8	207.1	298.4	281.6	373.2	355.6	451.2	431.4	561.5	507.3	301.8	276.4
	2-1/4 Turn					43.6	38.6	107.0	104.6	179.3	174.4	252.1	247.1	327.5	322.5	405.1	400.1	479.1	474.1	361.2	336.0

** Standard default of preload spring

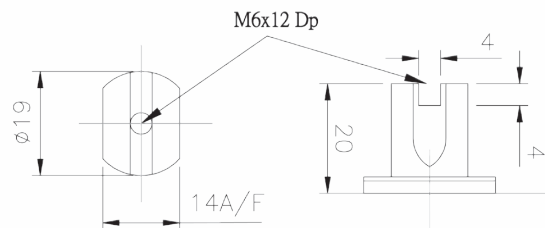
Puretorq Vane Type Actuator

► Assembly Dimension - *Double Acting*



VDI/VDE 3845 mounting

Full compliance to this specification is achieved with addition of a male Namur shaft fitted to "V" or "X"



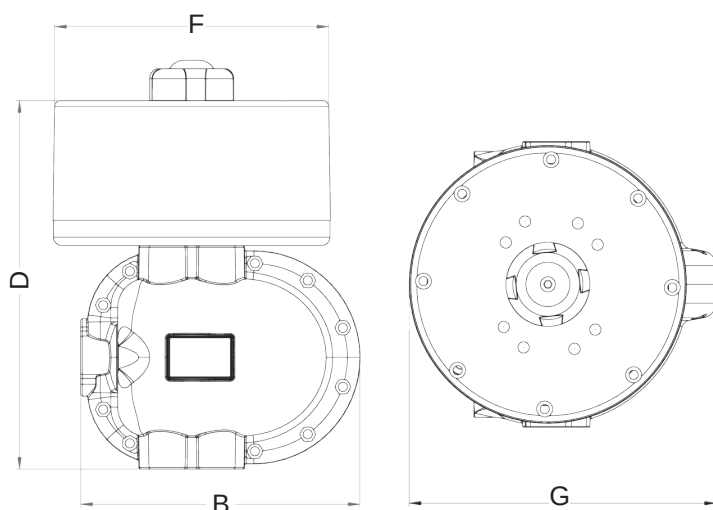
Double Acting											Imperial		
Model	A	B	C	E	Ø ISO K	M x depth	V x depth	Ø ISO L	N x depth	X x depth	A	B	C
VDA100	101.00	106.00	78.00	1/8"	Ø 36/F03	M5x8	9x13	Ø 42/F04	M5x8	11x14	3.98	4.17	3.07
VDA200	127.50	126.50	79.50	1/4"	Ø 36/F03	M5x8	9x13	Ø 42/F04	M5x8	11x14	5.02	4.98	3.13
VDA300	144.60	144.20	110.00	1/4"	Ø 42/F04	M5x8	11x14	Ø 50/F05	M6x9	14x18	5.70	5.67	4.33
VDA500	169.60	167.00	132.70	1/4"	Ø 50/F05	M6x9	14x18	Ø 70/F07	M8x12	17x21	6.68	6.58	5.23
VDA1100	219.90	191.57	132.70	1/4"	Ø 50/F05	M6x9	14x18	Ø 70/F07	M8x12	17x21	8.66	7.54	5.23
VDA2000	280.00	247.50	141.00	1/4"	Ø 70/F07	M8x12	17x21	Ø 102/F10	M10x15	22x27	11.02	9.74	5.55
VDA3800	313.00	281.00	230.80	1/4"	Ø 102/F10	M10x20	22x35	Ø 125/F12	M10x20	27x35	12.32	11.06	9.09
VDA6800	364.00	306.00	234.80	1/4"	Ø 125/F12	M10x20	22x35	Ø 140/F14	M16x24	27x35	14.33	12.05	9.24
All dimensions in mm, except E. E in inch.											Outside dimensions in inch		

Weight Double Acting				
Model	Standard		Chemical	
	lbs	Kg	lbs	Kg
VDA100	1.68	0.76	1.50	0.68
VDA200	2.47	1.12	2.16	0.98
VDA300	3.75	1.70	3.22	1.46
VDA500	6.22	2.82	5.29	2.40
VDA1100	7.32	3.32	6.44	2.02
VDA2000	8.38	3.80	6.06	2.75
VDA3800	27.29	12.38	23.06	10.46
VDA6800	33.33	15.12	26.46	12.00

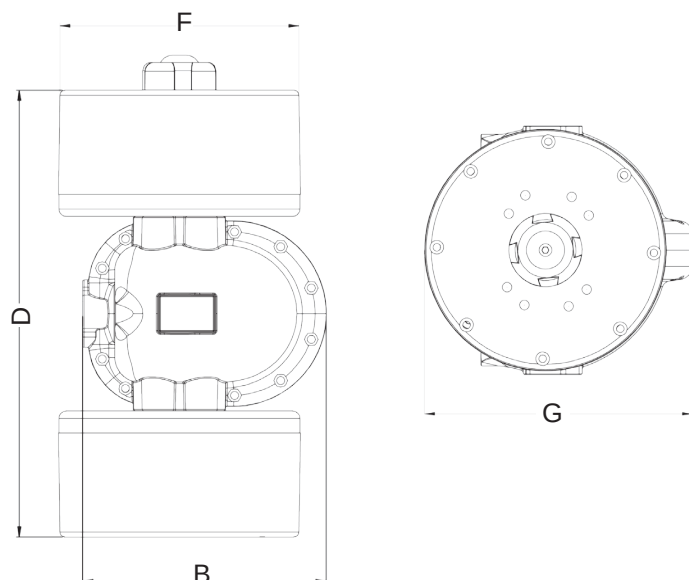


► Assembly Dimension - *Single Acting*

VSR050 through VSR 1500



VSR3000



Single Acting(Spring Return)

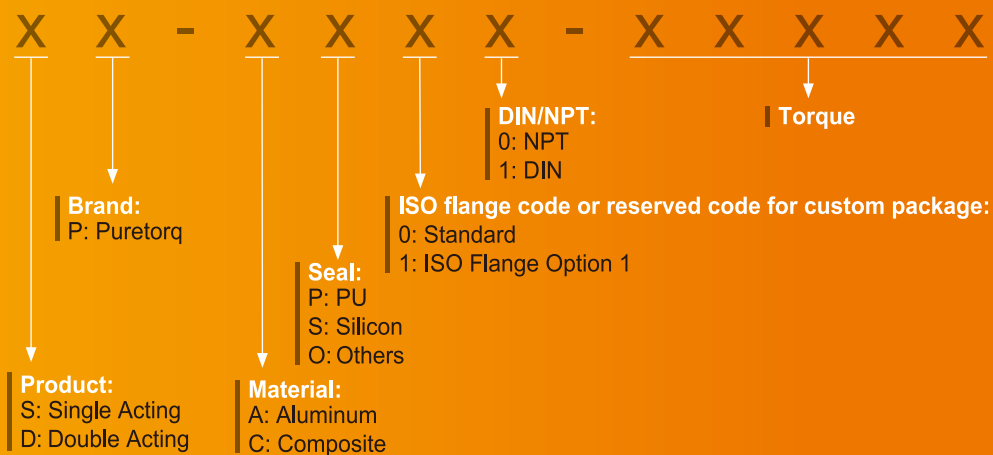
Single Acting(Spring Return)												Imperial		
Model	A	B	C	D	E	F	G	Ø ISO K	M x depth	V x depth	X x depth	D	F	G
VSR050	101.00	106.00	78.00	160.20	1/8"	140.00	140.00	N/A	N/A	9x13	11x43	6.31	5.51	5.51
VSR100	127.50	126.50	79.50	161.50	1/4"	140.00	146.50	N/A	N/A	9x13	11x43	6.36	5.51	5.77
VSR150	144.60	144.20	110.00	192.20	1/4"	140.00	154.00	N/A	N/A	14x14	11x43	7.57	5.51	6.06
VSR200	169.60	167.00	132.70	219.72	1/4"	165.00	182.50	N/A	N/A	17x18	14x42	8.65	6.50	7.19
VSR500	219.90	191.57	132.70	219.72	1/4"	165.00	207.90	N/A	N/A	17x18	14x42	8.65	6.50	8.19
VSR1000	280.00	247.50	141.00	256.00	1/4"	214.00	259.00	N/A	N/A	17x21	22x54	10.08	8.43	10.20
VSR1500	313.00	281.00	230.80	342.80	1/4"	261.10	308.00	N/A	N/A	27x35	22x83	13.50	10.28	12.13
VSR3000	364.00	306.00	234.80	458.80	1/4"	261.10	333.77	N/A	N/A	22x35	22x83	18.06	10.28	13.14
All dimensions in mm, except E. E in inch.												Outside dimensions in inch		

Weight Single Acting

Model	Aluminum		Composite	
	lbs	Kg	lbs	Kg
VSR050	3.99	1.81	3.92	1.78
VSR100	4.94	2.24	4.89	2.22
VSR150	6.35	2.88	5.95	2.70
VSR200	12.35	5.60	9.74	4.42
VSR500	13.89	6.30	11.24	5.10
VSR1500	46.30	21.00	37.17	16.86
VSR3000	97.00	44.00	83.33	37.80



Actuator & Fail-Safe P/N Coding Rule



Double Acting Actuator: Standard Series

Model no.	New P/N
VDA100A	DP-AP00-00100
VDA200A	DP-AP00-00200
VDA300A	DP-AP00-00300
VDA500A	DP-AP00-00500
VDA1100A	DP-AP00-01100
VDA2000A	DP-AP00-02000
VDA3800A	DP-AP00-03800
VDA6800A	DP-AP00-06800

Double Acting Actuator: Corrosion Resistant

Model no.	New P/N
VDA100C	DP-CP00-00100
VDA200C	DP-CP00-00200
VDA300C	DP-CP00-00300
VDA500C	DP-CP00-00500
VDA1100C	DP-CP00-01100
VDA2000C	DP-CP00-02000
VDA3800C	DP-CP00-03800
VDA6800C	DP-CP00-06800

Single Acting Actuator: Standard Series

Model no.	New P/N
VSR050A	SP-AP00-00050
VSR100A	SP-AP00-00100
VSR150A	SP-AP00-00150
VSR200A	SP-AP00-00200
VSR500A	SP-AP00-00500
VSR1500A	SP-AP00-01500
VSR3000A	SP-AP00-03000

Single Acting Actuator: Corrosion Resistant

Model no.	New P/N
VSR050C	SP-CP00-00050
VSR100C	SP-CP00-00100
VSR150C	SP-CP00-00150
VSR200C	SP-CP00-00200
VSR500C	SP-CP00-00500
VSR1500C	SP-CP00-01500
VSR3000C	SP-CP00-03000



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