

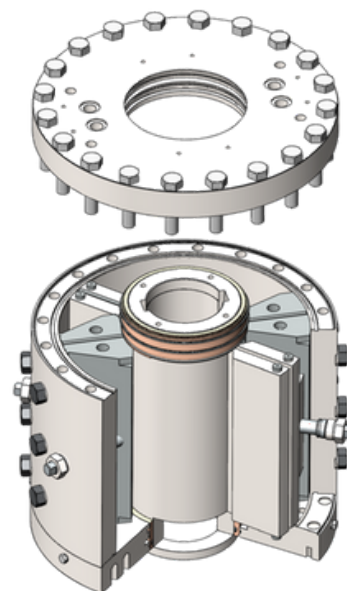
RVA Rotary Vane Actuator

Optimized for ball valve torque performance.

The ValvTechnologies Hydraulic Rotary Vane Actuator (RVA) is designed and manufactured specifically for severe service applications by the leader in Severe Service Ball Valves, is supported by a global service team focused on actuation and is backed by a 10-Year warranty.

Features

- Constant torque output across full stroke.
- Balanced force vectors reduce side loading on valve stems.
- Operates in extreme environments: -40°F to 180°F (-40°C to 82°C).
- Suitable for mining, oil & gas, and other industry applications.
- Easy adaptation to all quarter-turn valves.



Size (in. x in.):	6.5 x 2	6.5 x 3.5	6.5 x 8	12.5 x 8	12.5 x 12	14.5 x 16	16.5 x 16	20 x 16	25 x 16	26 x 22	33 x 32	33 x 32
Product Type:	Hydraulic Rotary Vane Actuator											
Materials of Construction	ASTM A105											
Torque expression in-lb/psi:	11.5	20	47.3	186.77	288	522	688.5	1148.4	1853.1	2691.5	5868	5868
Maximum operating pressure (psi):	3000	3000	3000	2000	2000	2000	2000	1500	1500	1500	1500	2000
Minimum working pressure (psi):	250	250	250	250	250	250	250	250	250	250	250	250
Maximum acceptable valve stem diameter (inches):	2.63	2.63	2.63	4.5	4.5	5.5	6	6	6.5	7.375	9.5	9.5
Weight of actuator including hydraulic fluid (lbs):	74	94	146	502	645	1185	1290	1895	3290	4750	9880	9880
Actual fluid displacement per 90° stroke (cu. in.):	21	36	82	327	490	913	1280	2013	3232	4697	10857	10857
On all units with gas hydraulic tanks:												
Gas consumption per 90° stroke (standard cu.ft.@1000 psi)	6.3	6.53	8.37	32.6	48.9	91.2	127.8	201	322.8	469.1	1084.2	1084.2
Number of strokes of standard 4 cu. in hand pump per 90° stroke	6	9	21	82	123	76	107	168	270	392	905	905