

Humphrey compact Rotary Actuators are rack-and-pinion type, ensuring reliable operation and no backlash. The HRAPS series is offered in four sizes from 0.9 to 17 in-lb of torque, and five swing angle choices. Single-sided, carbon steel shaft is standard with options that include double-sided and/or stainless steel shaft. Magnetic pistons are standard for Sensor Switch operation. Mount HRAPS via body or end-cap mounting threads.

TYPE:

- Double Acting (HRAPS)

STANDARD DEGREES OF ROTATION:

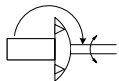
- 90, 100, 180, 190, 360

OPTIONS AND ACCESSORIES:

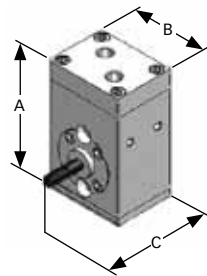
Double-sided shaft (single-sided shaft is standard).
Stainless steel shaft option. Reed or Non-Contact Sensor Switches (see page 53).

SIZES (kgf-cm ACTUAL TORQUE RATING):

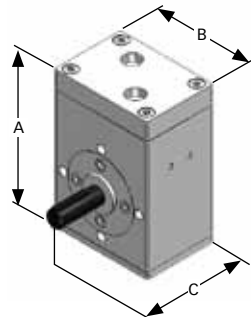
- 1, 5, 10, 20



HRAPS1



HRAPS20



Model	Torque @ 100 PSIG		Overall Dimensions					Port Thread
	(lb-in)	(kgf-cm)	Length - A (inch)			Width-B (inch)	Depth-C with shaft (inch)	
			90 & 100 degree rotation	180 & 190 degree rotation	360 degree rotation			
HRAPS1-*	0.87	1	1.89	2.36	3.47	1.18	1.63	10-32 UNF
HRAPS5-*	4.3	5	2.44	3.07	4.57	1.77	2.15	1/8 PIPE
HRAPS10-*	8.7	10	2.87	3.74	5.63	1.93	2.50	
HRAPS20-*	17.4	20	3.43	4.45	6.77	2.32	2.93	

* Enter degrees rotation (90, 100, 180, 190, 360)

HOW TO OBTAIN SPECIFICATIONS FOR ACTUATORS

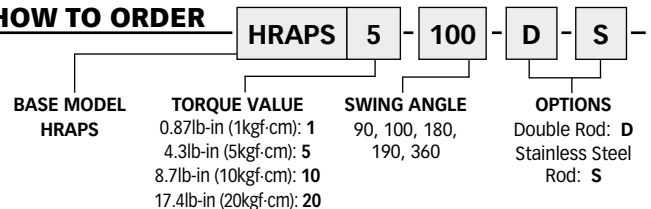
- Go to www.humphrey-products.com
- Select "Online Product Guide." Follow the steps to get the actuator you need.
- Once the specifications have been entered, select "Download Spec Sheet" to create a personalized PDF of the actuator, which you may save to your computer and print at your convenience. These spec sheets are helpful when placing your order(s).

HOW TO ORDER HUMPHREY ACTUATORS AND ACCESSORIES

- Go to www.humphrey-products.com
- Select "Find A Distributor" and input your information to locate a distributor nearest you.
- Or, call Customer Service at 1-800-477-8707 for the name and phone number of your local distributor.

HUMPHREY PRODUCTS ARE SOLD WORLD-WIDE THROUGH AUTHORIZED DISTRIBUTORS

HOW TO ORDER



SPECIFICATIONS

Media:	Air	
Pressure Range (PSIG):	HRAPS1, HRAPS5	20-100 PSIG
	HRAPS10, HRAPS20	9-100 PSIG
Temperature Range:	32°F to 122°F	