

Pneumatic Actuator - Technical Data



Air Consumption - Air Volume Opening & Closing

Model	Air Volume@opening (liter/cu.in)		Air Volume@closing (liter/cu.in)		Model	Air Volume@opening (liter/cu.in)		Air Volume@closing (liter/cu.in)	
HT-32	0.03	:	0.04	:	HT-125	1.20	:	1.60	:
	1.71	:	2.32	:		73.22	:	97.62	:
HT-52	0.09	:	0.12	:	HT-140	1.70	:	2.40	:
	5.49	:	7.32	:		103.72	:	146.43	:
HT-63	0.14	:	0.20	:	HT-160	2.60	:	3.70	:
	8.54	:	12.20	:		158.63	:	225.75	:
HT-75	0.21	:	0.30	:	HT-190	4.20	:	5.90	:
	12.81	:	18.30	:		256.25	:	359.98	:
HT-83	0.29	:	0.41	:	HT-210	5.70	:	8.20	:
	17.69	:	25.02	:		347.77	:	500.31	:
HT-92	0.49	:	0.71	:	HT-240	9.00	:	12.80	:
	29.90	:	43.32	:		549.12	:	780.97	:
HT-105	0.70	:	0.99	:	HT-270	12.60	:	17.90	:
	42.71	:	60.40	:		768.76	:	1092.13	:

The Table of Actuators Weight & Opening Closing Time

Model	HT-032		HT-052		HT-063		HT-075		HT-083		HT-092		HT-105	
	D	S	D	S	D	S	D	S	D	S	D	S	D	S
Screw stroke adj. for 1° adj. need	----		1/5 turn		1/5 turn		1/5 turn		1/5 turn		1/4 turn		1/4 turn	
Opening time (Sec.)	0.03	---	0.2	0.25	0.25	0.3	0.3	0.35	0.4	0.5	0.5	0.6	0.7	0.8
Closing time (Sec.)	0.03	---	0.25	0.3	0.3	0.35	0.4	0.5	0.5	0.6	0.7	0.9	0.9	1.1
Approximate weight (Kg/Lbs)	0.5/1.1	---	1.0/2.2	1.0/2.2	1.6/3.5	1.8/4.0	2.6/5.7	3.1/6.8	3.1/6.8	3.6/7.9	4.9/10.8	5.7/12.5	6.5/14.3	7.7/16.9

Model	HT-125		HT-140		HT-160		HT-190		HT-210		HT-240		HT-270	D	S
	D		S	D	S	D	S	D	S	D	S	D	S		
Screw stroke adj. for 1° adj. need	1/4 turn		1/4 turn		1/4 turn		1/3 turn		1/3 turn		1/3 turn		1/3 turn		
Opening time (Sec.)	0.9	1.1	1.3	1.5	1.6	1.8	2.2	2.4	2.9	3.4	3.8	4.3	4.5	5.0	
Closing time (Sec.)	1.2	1.4	1.6	1.9	1.9	2.2	2.6	3.0	3.8	4.1	4.4	5.0	5.0	5.5	
Approximate weight (Kg/Lbs)	9.9/21.8	11/24.2	13.8/30.4	16.3/35.9	19/41.8	24/52.8	28/61.6	34/74.8	37/81.4	45/99	52/114.4	64/140.8	85/187	104/228.8	

Order Information

Type	Model	Spring Set	Seals	Options
HTD	032	Blank	Blank	120
Double Acting Actuator	052	(Double Acting Actuator)	(standard NBR seals)	120°operation
	063	05		180
HTS	075	06	HT= Viton seals	180°operation
Spring Return Actuator	083	07	(for high temperature)	SS
	092	08		Stainless Steel Housing
HTDN	105	09	LT= Silicone seals	
Double Acting Actuator	125	10	(for low temperature)	
(Nickel Plated Housing)	140	11		
	160	12		
HTSN	190			
Spring Return Actuator	210			
(Nickel Plated Housing)	240			
	270			

Note: The part numbers are represented as the following: Type-Model-Spring Set-Seals-Options