



## Thin diaphragm type cylinder "TD" series

Quite thin cylinder (double action type) that can be controlled even in space saving.

### ■ Features

- Super thin-type for installing in small space.
- Extremely little air-leakage by BF diaphragms.
- Excellent responsibility to minute pressure variations.
- Smooth Starting even after long intervals.



### ■ Specification

Model line up	20-3	30-5	40-5
Operating type	Double action type		
Cylinder diameter      mm[in.]	20[0.79]	30[1.18]	40[1.57]
Stroke                      mm[in.]	3[0.12]	5[0.20]	
Valid pressure area (mm <sup>2</sup> [in. <sup>2</sup> ]) *1	250[0.39]	570[0.88]	1050[1.63]
Working fluid	Clean compressed air		
Working pressure range Mpa[psi]	0.02~ 0.5 [2.9~ 73]		
Anti-pressure              MPa[psi]	0.75 [109]		
Working temperature    °C [F ]	0~ 60 [32~ 140] (no freezing)		
Pipe port	M5×0.8 (internal thread) [M5×0.03]		
Weight                      g[pound]	55[0.12]	113[0.25]	172[0.38]

\*1 The valid pressure area at the time of middle stroke.

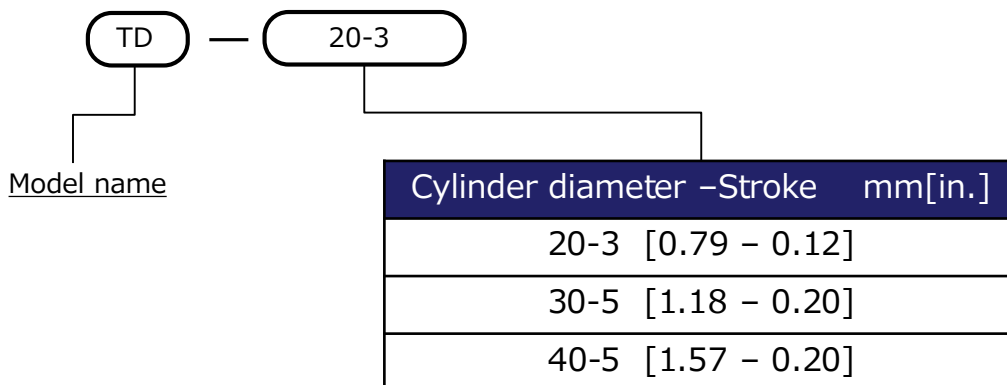


## ■ Application

TD series find its best applications in such cases where air leakage is not allowed and/or sensitive response to minute pressure variations are required.

- High sensitivity actuator for automatic controlling equipment, pressure rollers and dancer rollers.
- Air fine equipment in the clean factories without oil mist contamination.
- Polishing equipment for lenses or jewels.
- Precision actuator, etc. in case of requiring a certain output pressure (e.g. spot welding machines, etc.).
- Actuators for emergency uses.

## ■ Model designation



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