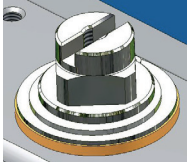


4TH Generation Upgrade series pneumatic actuator - Multiple Automation Capability

Models: AT251U ÷ AT1001U M.A.C. version
Type: Double Acting and Spring Return

Specific features designed for actuator automation purposes:

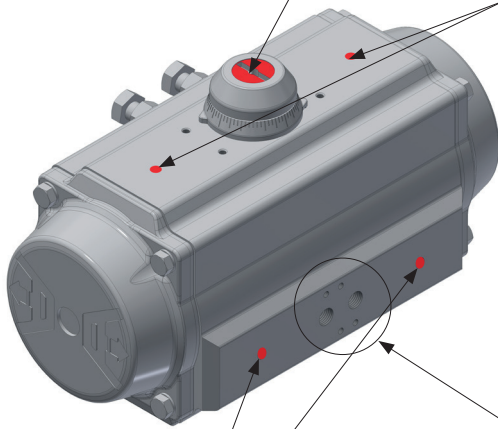
Integral drive shaft top for a robust linkage to positioner or LSB



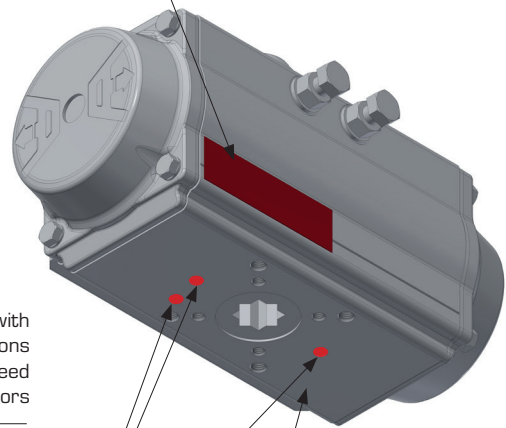
Extraholes for quicker and easier control panel and/or accessories assembly: ready for automation



Standard nameplate in stainless steel fixed on the actuator body



Namur air connections with enlarged bore dimensions for the increased speed achievable by the actuators

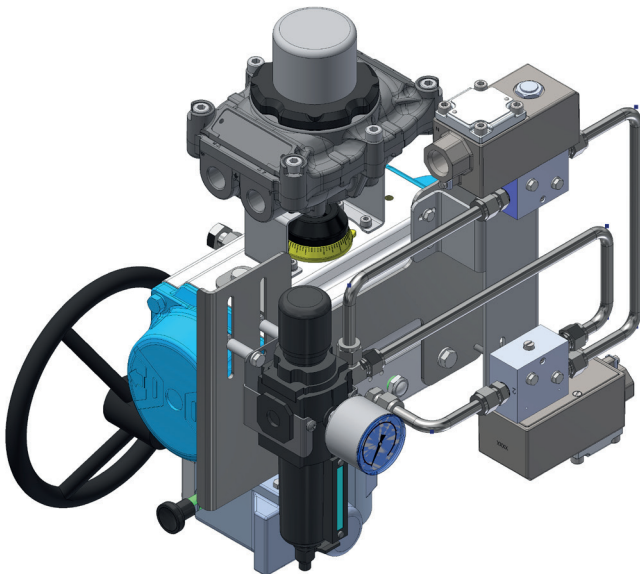


Extraholes for quicker and easier control panel and/or accessories assembly: ready for automation

Dowel pin on the bottom flange for unidirectional mounting over the valve

AIR TORQUE Std. or other grade coating available according to customer specification.

Examples:



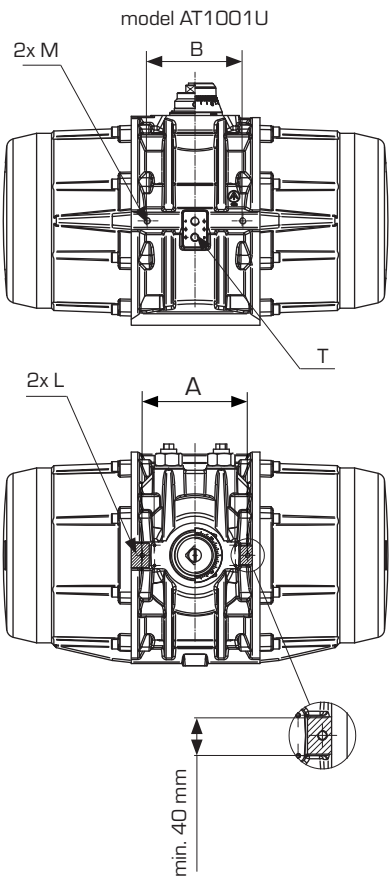
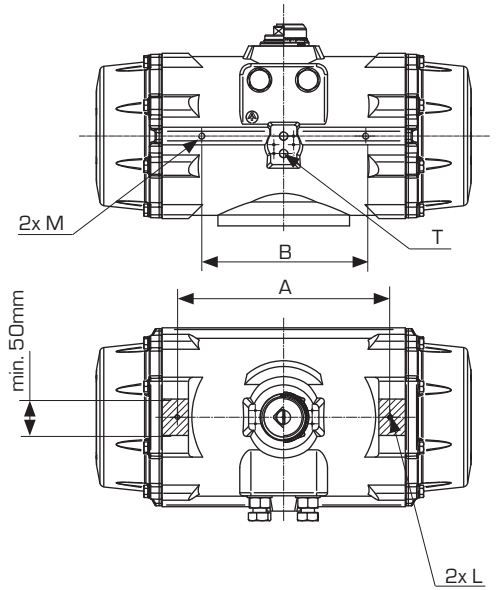
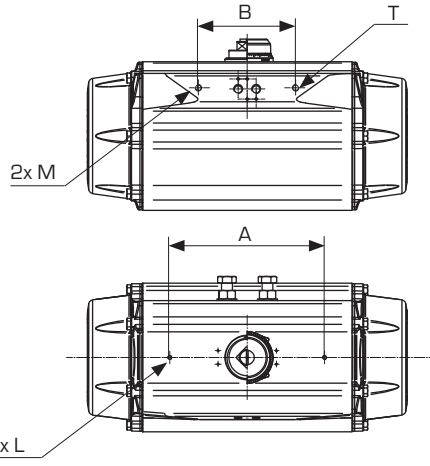
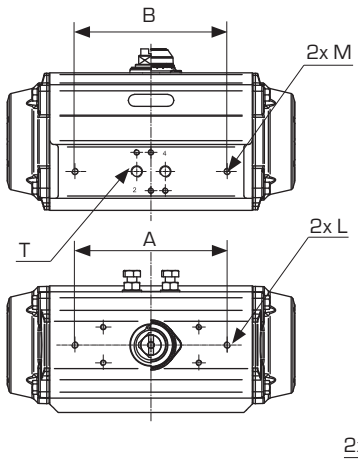
M.A.C. - Multiple Automation Capability !!!



From model AT251U up to model AT651U

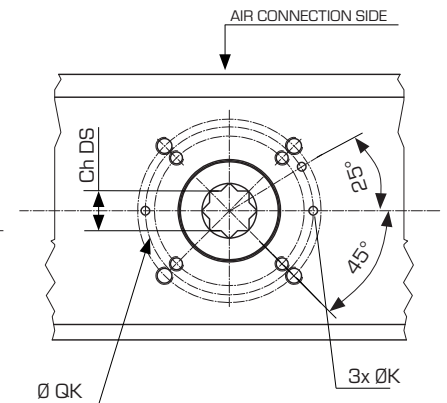
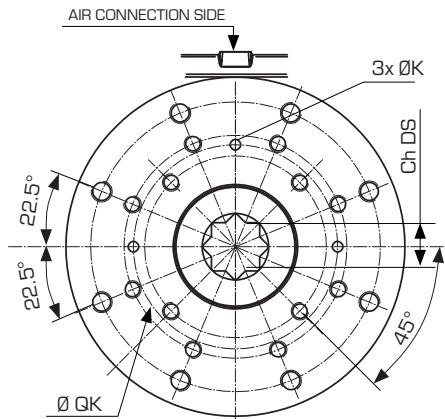
model AT701U and model AT751U

model AT801U

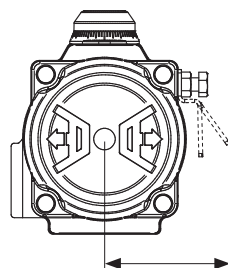
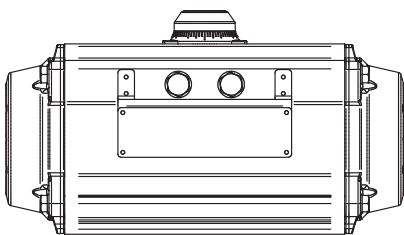


BOTTOM VIEW
from model AT801U up to model AT1001U

BOTTOM VIEW
from model AT251U up to model AT751U (F16)



NAMEPLATE HOLDER DETAIL (only for models AT251U and AT301U)



**EXAMPLE OF STAINLESS STEEL
NAMEPLATE HOLDER**
for AT251U and AT301U models

| Actuator model | Distance "H" |
|----------------|--------------|
| AT251U | 63 |
| AT301U | 69 |

Main specific dimensions in mm and technical data:

| MODEL | T ^(a) | DS Ch ^(b) | A | L | B | M | BOTTOM FLANGE ^(d) | | | | | | | Approx. OPERATING TIME (sec.) ^(e) | | | |
|---------|------------------|------------------------|-------|-----|-----|-----|------------------------------|------|-------------|----------|-----------|-------------|---------|--|---------|------|-----|
| | | | | | | | STD | Ø GK | Ø K tol. R8 | OPTIONAL | Ø GK | Ø K tol. R8 | OPENING | CLOSING | Cv min. | | |
| AT251U | 1/4" | 17 | 130 | M8 | 105 | M8 | F05 + F07 | | (F07) 70 | 6 | | | | | 0,4 | 0,25 | 0,9 |
| AT301U | 1/4" | 17 / 22 | 130 | M8 | 120 | M8 | F05 + F07 | | (F07) 70 | 6 | F07 + F10 | (F10) 102 | 8 | | 0,5 | 0,3 | 0,9 |
| AT351U | 1/4" | 22 | 160 | M8 | 130 | M8 | F07 + F10 | | (F10) 102 | 8 | | | | 0,55 | 0,35 | 0,9 | |
| AT401U | 1/4" | 22 | 160 | M8 | 130 | M8 | F07 + F10 | | (F10) 102 | 8 | | | | 0,6 | 0,4 | 0,9 | |
| AT451U | 1/4" | 27 | 180 | M8 | 170 | M8 | F10 + F12 | | (F12) 125 | 10 | | | | 0,7 | 0,45 | 0,9 | |
| AT501U | 1/4" | 27 | 180 | M8 | 170 | M8 | F10 + F12 | | (F12) 125 | 10 | | | | 0,8 | 0,5 | 0,9 | |
| AT551U | 1/4" | 27 / 36 | 250 | M10 | 200 | M10 | F10 + F12 | | (F12) 125 | 10 | F14 | (F14) 140 | 12 | 1,1 | 0,7 | 0,9 | |
| AT601U | 1/4" | 27 / 36 | 250 | M10 | 200 | M10 | F10 + F12 | | (F12) 125 | 10 | F14 | (F14) 140 | 12 | 1,3 | 0,9 | 0,9 | |
| AT651U | 1/2" | 36 / 46 | 343,5 | M10 | 250 | M10 | F14 | | (F14) 140 | 12 | F16 | (F16) 165 | 14 | 1,8 | 1,4 | 2,1 | |
| AT701U | 1/2" | 36 ^(c) / 46 | 343,5 | M10 | 220 | M10 | F16 | | (F16) 165 | 14 | F14 | (F14) 140 | 12 | 2 | 1,6 | 2,1 | |
| AT751U | 1/2" | 46 / 55 | 485 | M12 | 400 | M10 | F16 | | (F16) 165 | 14 | F16 + F25 | (F25) 254 | 14 | 2,2 | 1,7 | 2,1 | |
| AT801U | 1/2" | 46 ^(c) / 55 | 485 | M12 | 400 | M8 | F16 + F25 | | (F25) 254 | 14 | | | | 2,5 | 1,9 | 2,1 | |
| AT1001U | 1/2" | 55 / 75 | 260 | M12 | 225 | M8 | F16 + F25 + F30 | | | | | (F25) 254 | 14 | 3,5 | 2,4 | 2,1 | |

Note:

- (a) Standard NPT air connection.
- (b) Standard configuration with Integral Double Square drive shaft. For the drive shaft material refer to protection level data sheet.
- (c) Integral Double Square drive shaft available only for protection level with Stainless Steel drive shaft.
- (d) The dowel pin on the bottom flange are available only for "yellow" highlighted flanges.
- (e) The indicated operating opening and closing times are related to the spring return actuator S12 without load resistance, at 6 bar operating pressure, ambient temperature and with proper supply system Cv. For model AT401U ÷ AT1001U the "Port 2" air connections are increased.
- (f) Lifting lugs available on request
- (g) For other data and for the weight refer to the standard actuators data sheets.