Pxxx 50

- Double-acting compressed-air cylinder with 32mm piston diameter
- Cylinder barrel made of anodized aluminium (E6C0)
- Piston rod dia. 12, 16 or 20mm, stainless steel 1.4104 with female thread M8 and dirt wiper
- Recommended operating pressure 6 - 10bar
- Maximum static operating pressure 60bar
- Theoretical lifting force at 6bar = 1.170N (approx. 15% frictional losses to be considered)
- Mounting and air supply through swivel screw fittings, at upper or lower end or at centre, as required by design
- Standard installation size (eyebolt-to-mount spacing) 70mm when mounted at upper end. For increase in mounting dimension please inquire
- For further installation sizes and dimensions, please see drawing and dimensions table of pneumatic cylinders Type P
- Continuous adjustability in mounting ensured by clamping element (upon request)
- Ambient temperature range -25 to +60°C, to VdS 2159 for 2hrs up to +110°C
- Maximum locking force 6.500N
- Manual unlocking is possible
- Stroke length can be freely selected as per price list. For extra lengths, please inquire
- VdS approval no. G 500010 (piston rod dia. 12mm up to 900mm stroke, 16mm up to 1.600mm stroke and 20mm up to 2.000mm stroke)
- Including eyebolt AS M8x40-Ø8 for piston rods up to 12mm dia. or AS M10x60-Ø8 for piston rods up to 16mm and 20mm dia., and 2 swivel screw fittings SV 6-12-1/8 (for 6mm OD pipes, collar diameter 12mm)

Types:

PODV 50/xx-xxxx-8-12/6:
Standard version, mounting at upper end, both end positions locked (double locking)

PUDV 50/xx-xxxx-8-12/6:
Version with mounting at lower end, both end positions locked (double locking)

PMDV 50/xx-xxxx-8-12/6:
Version with centre mounting position, both end positions locked (double locking), 2 swivel screw fittings SVPM 6-12-50

POAV 50/xx-xxxx-8-12/6:
Version with mounting at upper end, upper end position locked (locked when extended)

PUAV 50/xx-xxxx-8-12/6:
Version with mounting at lower end, upper end position locked (locked when extended)

PMAV 50/xx-xxxx-8-12/6:
Version with centre mounting position, upper end position locked (locked when extended), 2 swivel screw fittings SVPM 6-12-50
The following variants can be supplied upon request:

- Different types of eyebolts or swivel screw fittings. (see screw fittings)
- Pneumatic cylinder up to 280mm stroke, with protective bellows for piston rod
- Pneumatic cylinder with male thread at end of piston rod for fastening clevises. (see mounting kits for pneumatic cylinders)