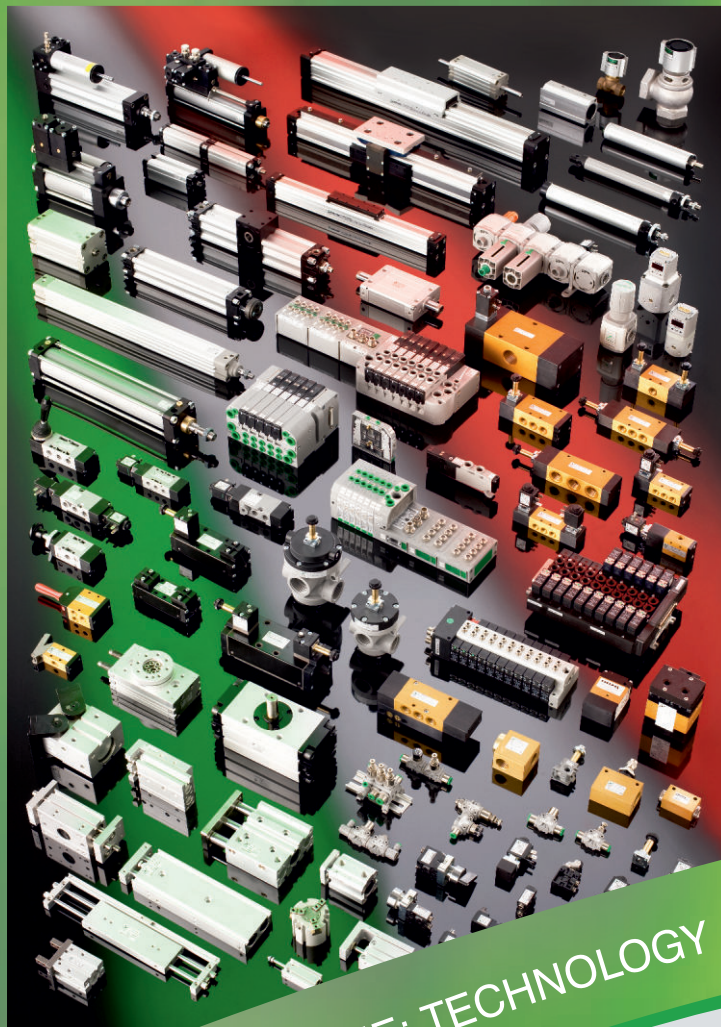


# PNEUMAX

Components for Pneumatic Automation



PNEUMAX GREEN LINE: TECHNOLOGY & INNOVATION



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**AUSTRIA and SWITZERLAND**  
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Tel. 0032 0 85 51 96 96  
<http://www.fluidindustry.com>  
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<http://www.fluidindustry.com>

**BULGARIA**  
**HABERKORN EOOD**  
Tel. 00359 2 270561  
<http://www.haberkorn.bg/>


 **CZECH REPUBLIC**  
**Pneumax Automation s.r.o.**  
Opava  
Tel. 0042 0553 760952-9  
[www.pneumaxsro.cz](http://www.pneumaxsro.cz)  
[pneumax@pneumaxsro.cz](mailto:pneumax@pneumaxsro.cz)

**DENMARK**  
**BS Specialslanger A/S**  
Tel. 0045 43 44 46 14  
<http://www.bssp.dk>  
**Pneumatics ApS**  
Tel. 0045 86 453 453  
<http://www.pneumatics.dk>

 **ENGLAND**  
**Pneumax Ltd.**  
Nursling - Southampton  
Tel. 0044 02380 740412  
[sales@pneumax.co.uk](mailto:sales@pneumax.co.uk)  
[www.pneumax-co.uk](http://www.pneumax-co.uk)

**FINLAND**  
**LSK Pneumatics Oy**  
Tel. 00358 207 491 400  
Fax. 00358 207 491 401  
<http://www.lskpneumatics.fi>

 **FRANCE**  
**PNEUMAX FRANCE SAS**  
Selestat  
Tel. (+33)3-88-580450  
[www.pneumax-france.fr](http://www.pneumax-france.fr)

 **GERMANY**  
**Pneumax G.m.b.H.**  
Gelnhausen  
Tel. (+49)-06051-97770  
[www.pneumax.de](http://www.pneumax.de)

**GREECE**  
**Hydropneumatik Hellas**  
Tel. 0030 210 3474181  
<http://www.mitsis.com.gr>  
**Theodoros Sofroniadis & Co.**  
Tel. 0030 231 0527243  
Fax. 0030 231 515403


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<http://www.pneutec.nl>

**ICELAND**  
**Barki Ltd.**  
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Fax. 00354 554 6401


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<http://www.dominga.lt>

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**KOLBERG CASPARY LAUTOM AS**  
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<http://www.kcl.no>

**POLAND**  
**RECTUS POLSKA sp. z o.o.**  
Tel. 0048 33 857 98 00  
<http://www.rectus.com.pl>


 **PORTUGAL**  
**Portugal Pneumax Lda**  
Vialonga  
Tel. (+351)219-737390  
<http://www.pneumax.pt>  
[geral@pneumax.pt](mailto:geral@pneumax.pt)


**ROMANIA**  
**GICA Import Export Srl**  
Tel. 0040 257 259816  
Fax. 0040 257 257259816

 **RUSSIA / CIS**  
**Pneumax Ltd Moscow**  
Moscow  
Tel. (+7)-095-7393999  
<http://www.pneumax.ru>

**SERBIA**  
**Hidraulika d.o.o.**  
Tel. 00381 15 360 090  
[info@hidraulika.rs](mailto:info@hidraulika.rs)

**SLOVENIA**  
**Hidravlika D. O. O.**  
Tel. 00386 3 5453610  
[www.hidravlika.si](http://www.hidravlika.si)

 **SPAIN**  
**Pneumax S.A.**  
Elgoibar  
Tel. (+34)-943-744174  
[www.pneumax.es](http://www.pneumax.es)  
**Pneumax Catalonia S.A.**  
Molins De Rei  
Tel. (+34)-93-6802530  
[www.pneumax.es](http://www.pneumax.es)

 **SWEDEN / SCANDINAVIA**  
**Pneumax Scandinavia AB**  
Lomma  
Tel. (+46) 406174040  
[info@pneumax.se](mailto:info@pneumax.se)  
<http://www.pneumax.se>

**UKRAINE**  
**Techtronic Ltd.**  
Tel. 0038 044 500 98 48  
<http://www.techtronic.com.ua>

**TURKEY**  
**Hipel Endüstriyel Otomasyon Ltd. Sti**  
Tel. 0090 212 2932768  
[www.hipel.com.tr](http://www.hipel.com.tr)

## OCEANIA


**AUSTRALIA**  
**Air & Automation Equipment Ltd.**  
Tel. 0061 2 97431271  
[airauto@ihug.com.au](mailto:airauto@ihug.com.au)  
<http://www.airautomation.com.au>  
**NUW ZELAND**  
**Automation Equipment**  
Tel. 0064 7 8472082  
[sales@autoequip.co.nz](mailto:sales@autoequip.co.nz)  
[www.autoequip.co.nz](http://www.autoequip.co.nz)

## NORTH AMERICA

**CANADA**  
**Manufacture Scorpion Inc.**  
Tel. 001 450 378 3595  
[contact@pneumaxcanada.com](mailto:contact@pneumaxcanada.com)  
<http://www.pneumaxcanada.com>

**U.S.A.**  
**Rankin USA**  
Tel. 001 800 909-4988  
Fax. 001 704 923-0594  
[www.rankinusa.com](http://www.rankinusa.com)

## SOUTH AMERICA

 **BRASIL**  
**Pneumax Brasil**  
Tel. 0055 41 33987262  
[www.pneumaxbr.com.br](http://www.pneumaxbr.com.br)  
[diretoria@pneumaxbr.com.br](mailto:diretoria@pneumaxbr.com.br)

**CHILE**  
**Schultz Automat. e Ing.**  
Tel. 0056 2 5550838  
[jschultz@schultzautomatizacion.cl](mailto:jschultz@schultzautomatizacion.cl)  
[www.schultzautomatizacion.cl](http://www.schultzautomatizacion.cl)

**ECUADOR**  
**Ainsa S.A. Guayaquil City**  
Tel. 00593 4 3712670  
**Ainsa S.A. Quito City**  
Tel. 00593 2 6014657  
<http://www.ainsa.com.ec>  
[info@ainsa.com.ec](mailto:info@ainsa.com.ec)

**PERU**  
**Neumatec Perú s.a.c.**  
Tel. 0051 1 4442499  
[ventas@neumatecperu.com](mailto:ventas@neumatecperu.com)  
<http://www.neumatecperu.com>

**MEXICO**  
**Pneumatec S.A. DE C.V.**  
Tel. 0052 33 36289831  
[pneumatecna@yahoo.com.mx](mailto:pneumatecna@yahoo.com.mx)  
<http://www.pneumatecna.com.mx>

**VENEZUELA**  
**Sinteco Barquisimeto**  
Tel. 0058 251 4432555  
[sintecobarqto@cantv.net](mailto:sintecobarqto@cantv.net)  
<http://www.sintecobarqto.com.ve/>

## AFRICA

**ALGERIA**  
**Sarl C.M.P.R.**  
Tel. 00213 23 827069  
Fax. 00213 23 827070


**EGYPT**  
**Technical center for machinery supply**  
Tel. +2 (02) 26989348  
Fax. +2 (02) 26990874  
[tcms@fluidspower.net](mailto:tcms@fluidspower.net)  
<http://www.tcms.fluidspower.net/>


**MAROC**  
**H.P. Maroc**  
Tel. 00212 22 358282  
Fax. 00212 2 358291

**SOUTH AFRICA**  
**Pneumax Southern Africa**  
Tel. 0027 11 573 0900  
[info@pneumax.co.za](mailto:info@pneumax.co.za)  
[www.pneumax.co.za](http://www.pneumax.co.za)

**TUNISIA**  
**L'Equipement moderne**  
Tel. 00216 71 343844  
Fax. 00216 71 351845  
[equipement.moderne@planet.tn](mailto:equipement.moderne@planet.tn)  
<http://www.lequipementmoderne.com>

## ASIA

 **CHINA**  
**Pneumax**  
**Pneumatic Equipments Co. Ltd**  
Shanghai  
[isales@pneumaxchina.com](mailto:isales@pneumaxchina.com)  
[www.pneumaxchina.com](http://www.pneumaxchina.com)

 **INDIA**  
**Pneumax**  
**Pneumatic India Pvt. Ltd**  
Noida  
Tel. (+91)-120-5352560/61/62  
[info@pneumax-india.com](mailto:info@pneumax-india.com)  
[www.pneumax-india.com](http://www.pneumax-india.com)

**INDONESIA**  
**Pneumax Singapore Pte Ltd**

**PT. Mutiara Citramulia Teknindo**  
Tel. 0062 21 71425077  
Fax. 0062 21 66693177  
[pneumaxmct@cbn.net.id](mailto:pneumaxmct@cbn.net.id)

**IRAN**  
**ITAL ELECTRO PNEUMATIC**  
Tel. 0098 (21) 33919177  
Fax. 0098 (21) 33119617  
[info@italpneum.com](mailto:info@italpneum.com)

**ISRAEL**  
**Ilan & Gavish**  
Tel. 00972 3 9221824  
Fax. 00972 3 9221850  
[mail@ilan-gavish.com](mailto:mail@ilan-gavish.com)  
[www.ilan-gavish.co.il](http://www.ilan-gavish.co.il)

**JORDAN**  
**Technical center for machinery supply**  
Tel. 00962 6 4746901  
Fax. 00962 6 4746903  
[techno@fluidspower.net](mailto:techno@fluidspower.net)

**LEBANON**  
**Yammine Trading Company SARRL**  
Tel. 00961 1 885520  
[info@yamminetrading.com](mailto:info@yamminetrading.com)  
[www.yamminetrading.com](http://www.yamminetrading.com)

**MALAYSIA**  
**Pneumax Singapore Pte Ltd.**

**PSI Pneumatic Control Sdn Bhd**  
Tel. 0060 4 6592627  
Fax. 0060 4 6592629  
[sales-psi@airdynamics.com.sg](mailto:sales-psi@airdynamics.com.sg)

**OMAN SULTANATE**  
**Technical engineering company L.L.C**  
Tel. 00968 591670  
Fax. 00968 591700  
[tecoman@omantel.net.om](mailto:tecoman@omantel.net.om)

**PAKISTAN**  
**Fluid technik**  
Tel. 0092 21 2410335  
[info@fluid-technik.com.pk](mailto:info@fluid-technik.com.pk)  
[www.fluid-technik.com.pk](http://www.fluid-technik.com.pk)

**PHILIPPINES**  
**Integrated Hydro-Pneumatic**  
Tel. 0063 2 8200570  
[integhps@iconex.net](mailto:integhps@iconex.net)

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**Arabian-Universal Est. for Trading**  
Tel. 00966 26 477159  
Fax. 00966 1 4622838

 **SINGAPORE**  
**Pneumax**  
**Pneumax Singapore Pte Ltd**  
Singapore  
Tel. 0065 6392 0581  
[sales@pneumax.com.sg](mailto:sales@pneumax.com.sg)  
[www.pneumax.com.sg](http://www.pneumax.com.sg)

**SYRIA**  
**Al Rowad Trading**  
Tel. 00963 11 6350530  
Fax. 00963 11 6350531  
[ama@scs-net.org](mailto:ama@scs-net.org)

**THAILAND**  
**Thai Agency Engineering.Co. Ltd.**  
Tel. 0066 2 6915900  
[taec@bkk.loxinfo.co.th](mailto:taec@bkk.loxinfo.co.th)  
<http://www.thai-a.com>

**U.A.E.**  
**Fine Industries Eng. Serv.**  
Tel. 0971 6 5335434  
Fax. 0971 6 5335405

**VIETNAM**  
**Pneumax Singapore Pte Ltd**



## THE COMPANY

Founded in 1976, Pneumax is today one of the major European Manufacturer of components for pneumatics automation.

The wide range of products, consolidated reputation, reliability proven by millions of faultless components operating in the market every year, before and after sales service supported by a large and highly qualified sales network, well known capability of understanding and satisfying any customers need, make Pneumax the ideal partner beside a supplier rich of idea, technology and innovation.

Nine branches in Europe (Germany, France, United Kingdom, 2 in Spain, Portugal, Russia, Czech Republic Scandinavia, three in Far East (India, China, Singapore), one in South America (Pneumax Brasil) five in Italy besides hundred exclusive distributors ensure the distribution and service of our products around the world.

Pneumax S.p.a together with Supermeccanica and Titan Engineering has acquired a complex certificated system by SQS (Swiss Certification Entity) according to standards ISO 9001/2008 for a global quality governance: engineering and sales activity, ISO14001:2004 for environment and OHSAS18001:2007 for security.

Further more, in order to grant the highest level of service both pre and post sales all sister companies are certified ISO 9001



# PNEUMAX





**Characteristics**

**Conforms to ISO 6432 Standards**

Barrel	Stainless steel AISI 304
End covers	Hard anodised aluminium
Piston rod	Magnetic Piston: From Ø8 to Ø16 AISI 303, From Ø20 to Ø32 AISI 420 Non-Magnetic Piston: From Ø8 to Ø32 AISI 420 (on request AISI 303)
Seals	Standard: NBR Oil resistant rubber, PUR Piston rod seals
Max. working pressure	10 bar
Cushioning	Elastomer cushion pad standard, adjustable cushions optional

**Basic version, without rear eye and push/pull rod**



12 - Ø.stroke.

- = Non magnetic piston
- **M** = Magnetic piston
- **A** = Adjustable cushioning with non magnetic piston (from Ø16)
- **A.M** = Adjustable cushioning with magnetic piston (from Ø16)
- **T** = HNBR seals version (-5°C + 120°C) for non magnetic piston

- **80** = Basic version
- **81** = Without rear eye version
- **82** = Push/Pull rod version
- **91** = Basic version front spring (max stroke 50 mm)
- **92** = Basic version rear spring, from Ø16 (max stroke 50 mm)
- **93** = Without rear eye front spring (max stroke 50 mm)
- **94** = Without rear eye rear spring from Ø16 (max stroke 50 mm)

**Bore:**

Ø8, Ø10, Ø12, Ø16, Ø20, Ø25, Ø32

**Standard strokes**

**Ø 8 and Ø 10:** 15-25-50-75-80-100 mm

**Ø 12 and Ø 16:** 15-25-50-75-80-100-150-160-200-250-300 mm

**Ø 20 and Ø 25:** 15-25-50-75-80-100-150-160-200-250-300-320-350-400 mm

**Ø 32:** 15-25-50-75-80-100-150-160-200-250-300-320-350-400-450 -500 mm

Non-Std. strokes available on request

**Foot**

1200.Ø.01  
(1 piece)

**Piston rod forks**

1200.Ø.04/1  
(with clips)

**Rear eye**

1200.Ø.03

**Flange**

1200.Ø.02

**Sensor**

1580.U (2wire) /  
1580.UAP (3wire)

**Sensor bracket**

1280.Ø.FS



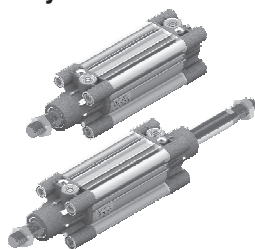
**Characteristics**

**Conforms to ISO 15552 Standards**

Barrel	Aluminium alloy anodised
End covers	Die-Casting aluminium
Piston rod	AISI 420 (on request AISI 303)
Seals	Standard: NBR Oil resistant rubber, PUR Piston rod seals
Max. pressure	10 bar
Cushioning	Adjustable cushioning standard at both ends

Tandem & Multi-position versions are available.  
Accessory available for Eco-Light profile cylinders to mount valve directly on to the cylinders

**Basic and Pull/Push Version Profile Cylinders**



13 . Ø . STROKE.

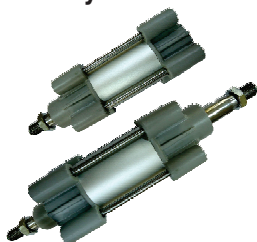
- 01 = Basic version
- 02 = Push/Pull version

- 90 = Magnetic AISI 420 rod
- 91 = Magnetic AISI 303 rod
- 92 = Non magnetic AISI 420 rod

Bore:  
Ø32 - Ø40 - Ø50 -  
Ø63 - Ø80 - Ø100 -  
Ø125 - Ø160 - Ø200

Standard strokes  
from 0 to 150 every 25 mm;  
from 150 to 500 every 50 mm;  
from 500 to 1000 every 100 mm  
Non-Std. strokes available on request

**Basic and Pull/Push Version Tie Rod Cylinders**



13 . Ø . STROKE. TR

- 01 = Basic version
- 02 = Push/Pull version

- 90 = Magnetic AISI 420 rod
- 91 = Magnetic AISI 303 rod
- 92 = Non magnetic AISI 420 rod

Bore:  
Ø32 - Ø40 - Ø50 -  
Ø63 - Ø80 - Ø100

Standard strokes  
from 0 to 150 every 25 mm;  
from 150 to 500 every 50 mm;  
from 500 to 1000 every 100 mm  
Non-Std. strokes available on request

<b>Flange</b> 1380.Ø.03F 	<b>Short feet</b> 1320.Ø.05/1F (1 piece) 	<b>Front clevis</b> 1380.Ø.08F 	<b>Rear Female clevis</b> 1380.Ø.09F 
<b>Rear male clevis</b> 1380.Ø.09/1F 	<b>Square angle trunnion</b> 1380.Ø.35F 	<b>Rear male clevis (with jointed head)</b> 1380.Ø.15F 	<b>Support for intermediate trunnion</b> 1320.Ø.12/1F (1 piece) 
<b>Intermediate trunnion-profile</b> 1390.Ø.12F 	<b>Intermediate trunnion-tie rod</b> 1300.Ø.12F.PNXS 	<b>Ball joint</b> 1320.Ø.32F 	<b>Fork</b> 1320.Ø.13/1F 1320.Ø.13F (With clips-Ø32 - Ø100) (W/o clips-Ø125-Ø160) 
<b>Self-aligning joint (ø32 to ø100)</b> 1320.Ø.33F 	<b>Sensor</b> 1580.U(2wire) / 1580.UAP(3wire) 	<b>Sensor-profile</b> 1590.U(2wire) / 1590.HAP(3wire) 	<b>Sensor bracket (Tie Rod)</b> DT - 1(Ø 32-63)/DT - 2(Ø 80-100) 

<b>Other Options</b>	<b>Tandem push with independent rods "F"</b> 	<b>Tandem push with common rod "G"</b> 	<b>Opposed tandem with common rod "D"</b> 	<b>Tandem with opposed rods "E"</b> 
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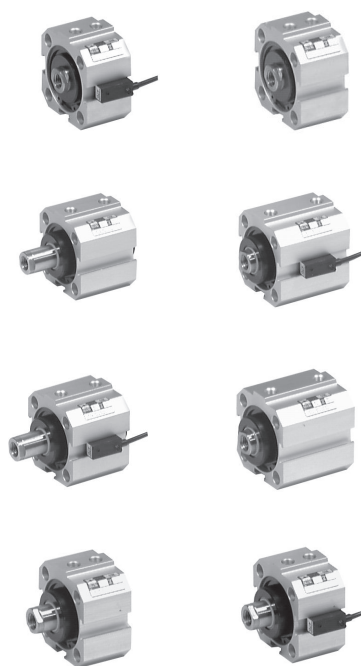




**Characteristics**

Barrel	Anodised aluminium
End plate	Anodised aluminium
Rod	Magnetic Piston: From Ø20 to Ø25 AISI 303, From Ø32 to Ø100 AISI 420 Non-Magnetic Piston: From Ø20 to Ø100 AISI 420 (on request AISI 303)
Seals	Standard: NBR Oil resistant rubber, PUR Piston rod seals
Max. working pressure	10 bar
Tandem, Multiposition & Non-rotating versions are available.	
It is interesting to note that these cylinders (from Ø 32 to Ø 100) have anchoring holes with the same lead and thread as those of series 1390 ISO 6431, they accept all mountings except for the intermediate trunnion.	

**Basic and Push / Pull Version**



15 .Ø.stroke.

- = Standard seals with female thread on piston rod
  - M = Standard seals with male thread on piston rod
  - T = HNBR seals version (-5°C + 120°C) with female thread on piston rod for non magnetic piston
  - M.T = HNBR seals version (-5°C + 120°C) with male thread on piston rod for non magnetic piston
- 01 = Double acting version
  - 11 = Double acting version with magnetic piston
  - 02 = Single acting version front spring
  - 12 = Single acting version front spring with magnetic piston
  - 03 = Single acting version rear spring
  - 13 = Single acting version rear spring with magnetic piston
  - 04 = Double acting push pull version
  - 14 = Double acting push pull version with magnetic piston

**Bore:**

Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100

**Standard strokes:**

**Type 1501, 1504, 1511, 1514:**  
for all bores from 5 to 50 mm every 5 mm.

**Type 1502, 1503, 1512 and 1513:**  
for all bores from 5 to 10 mm.

Non-Std. strokes available on request

Rear female clevis	Rear male clevis	Sensor	Sensor bracket
1500.Ø.09F from Ø 20 to Ø 100	1500.Ø.09/1F from Ø 20 to Ø 100	1580.U (2wire) / 1580.UAP (3wire)	1380.01F

Other Options	Non-Rotating Cylinder	Tandem push with independent rods	Tandem push with common rods	Opposed tandem with common rods

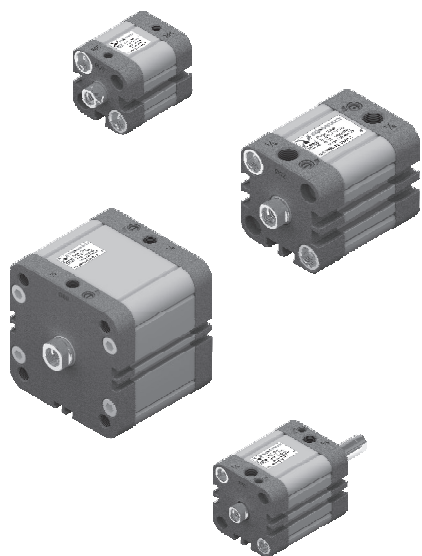


**Characteristics**

**Conforms to ISO 21287 Standards**

Barrel	Anodised aluminium
End covers	Aluminium alloy casting painted
Piston rod	Magnetic Piston: From Ø20 to Ø25 AISI 303, From Ø32 to Ø100 AISI 420 (on request AISI 303) Non-Magnetic Piston: From Ø20 to Ø100 AISI 420 (on request AISI 303)
Seals	Standard: NBR Oil resistant rubber, PUR Piston rod seals
Max. working pressure	10 bar
Cushioning	Elastomer cushion pad standard, adjustable cushions from dia 25 onwards optional
Tandem, Multiposition & Non-rotating versions are available.	

**Basic and Push/Pull Version**



15 .Ø.stroke.

- 1 = magnetic piston, Double acting
- 2 = magnetic piston, Single acting with front spring
- 3 = magnetic piston, Single acting with rear spring
- 4 = non magnetic piston, Double acting
- 5 = non magnetic piston, Single acting with front spring
- 6 = non magnetic piston, Single acting with rear spring
- 01 = Basic, female threaded rod
- 02 = Basic, male threaded rod
- 03 = through rod, female threaded rod
- 04 = through rod, male threaded rod
- 05 = through rod, bored female threaded rod
- 06 = through rod, bored male threaded rod
- 07 = With non-rotating device
- 0 = NBR seals and AISI 420 rod (Ø20 & Ø25 AISI 303 rod)
- 1 = NBR seals and AISI 303 rod (starting from bore Ø32)
- 6 = FPM seals and AISI 420 rod (Ø20 & Ø25 AISI 303 rod)
- 7 = FPM seals and AISI 303 rod (starting from bore Ø32)
- 4 = Non-cushioned version (mechanical cushioning only)
- 5 = Versions with adjustable end of stroke cushioning system (from Ø25)

**Bore:**

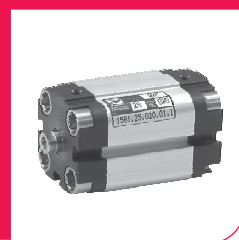
Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100

Flange	Foot	Rear female clevis	Rear male clevis
Ø20 - Ø25: 1540.Ø.03F Ø32 - Ø100: 1380.Ø.03F	1540.Ø.05/1F (1 piece)	1380.Ø.09F (Ø32-Ø100)	Ø20-Ø25:1580.Ø.09/1F Ø32-Ø100:1380.Ø.09/1F

Rear male clevis (with jointed head)	Ball joint	Fork with clips	Sensor
1380.Ø.15F (Ø32-Ø100)	Ø20 - Ø25: 1200.20.32F Ø32 - Ø40: 1320.32.32F Ø50 - Ø63: 1320.40.32F Ø80 - Ø100: 1320.50.32F	Ø20 - Ø25: 1200.20.04/1 Ø32 - Ø40: 1320.32.13/1F Ø50 - Ø63: 1320.40.13/1F Ø80 - Ø100: 1320.50.13/1F	1580.U (2wire) / 1580.UAP (3wire)

Other Options	Tandem push with independent rod	Tandem with opposed rods	Tandem push with common rod	Opposed tandem with common rods





Conforms to UNITOP dimensions.  
Interchangeable with similar UNITOP products available in market.

Bore: Ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100

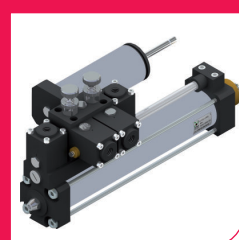
**EUROPE Cylinders**



Space saving design over conventional cylinders.  
Cylinder with sliding shoe guide option

Bore: Ø25, 32, 40, 50, 63

**Rodless Cylinders**



Pneumatic Cylinder ISO 15552 Handling and controlling movement by means of internal hydraulic circuit.

Speed regulation in one or both the direction with skip and stop function.

Bore: Ø40 - Ø63

**Hydraulic Speed Control**

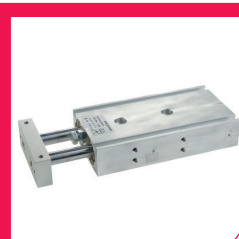


Guided compact cylinders comprises compact cylinder with integral guide with installation flexibility and space saving design.

Available in self lubricating bronze bushes or optional bearing bushes.

Bore: Ø12, 16, 20, 25, 32, 40, 50, 63, 80

**Guided Cylinders**



Twin rod linear guide units are used in manipulations applications and are characterised by there high force output thanks to double piston design,

The characteristic of these cylinder is the precision of their anti rotational design

Bore: Ø10, 15, 20, 25, 32

**Twin Rod Slide Unit**



Angular Gripper are typically used in complex systems such as assembly machines, robots, manipulators etc.

The range include gripper equipped with holding finger.

Bore: Ø10, 16, 20, 25, 32, 40, 50

**Angular Grippers**



The parallel grippers cater for larger openings with synchronized operation via a pinion-rack system with high strength thanks to a double piston mechanism.

Bore: Ø10, 16, 20, 25

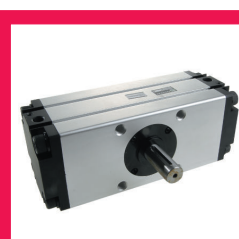
**Parallel Grippers**



Double-acting piston.  
Wide range of options for mounting.  
High precision.  
High holding force.

Bore: Ø16, 20, 25, 32, 40, 50, 63, 80, 100, 125

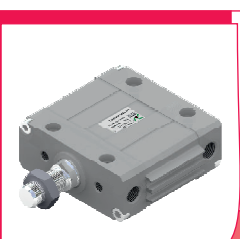
**3 Fingers Parallel Grippers**



These rotary actuators convert linear motion of a piston into a rotary motion via a rack and pinion device, using a single pinion-rack system.

Bore: Ø50, 63, 80, 100

**Rotary Actuators**



Flat & compact design with installation facility and space saving in mind.

Protected against torsion due to special piston shape.

Bore: Ø25, 32, 40, 50, 63

**ECO Flat Cylinders**



Competitively priced, good performance and versatility combined with a compact design are the main characteristics of this new series of valves. The aluminium valve body and spool/seal arrangement optimize both the flow rate and the valve switching time. This new series of valves are available with G1/8", G1/4" ports in 3/2, 5/2 and 5/3 versions. Monostable or bistable versions are available and include a G1/8" built in manual override.

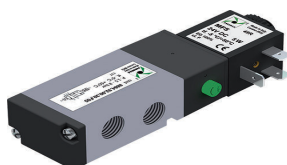
These valves have been designed to be easily assembled on Manifold & include optional integral electrical connectors to facilitate simple and speedy integration into a controlled system.

### Construction characteristics

Body	Aluminium
Spools	Aluminium
Seals	NBR
Springs	Spring Steel

### Operational characteristics

Max. Operating Pressure	8 bar
Min. Operating Pressure	2 bar



<b>3/2, 5/2 Solenoid Valve G1/8" &amp; G1/4"</b>	
<b>888.P.T.F.39.V</b>	
<b>P</b> PORT	0=G1/8" 4=G1/4"
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>F</b> FUNCTION	A=3/2 Normally Open C=3/2 Normally Closed 00=5/2
<b>V</b> VOLTAGE	F05=24 V DC F56=24 V (50-60 Hz) F57=110 V (50-60 Hz) F58=220 V (50-60 Hz)



<b>3/2, 5/2 Double Solenoid Valve G1/8" &amp; G1/4"</b>	
<b>888.P.T.00.35.V</b>	
<b>P</b> PORT	0=G1/8" 4=G1/4"
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>V</b> VOLTAGE	F05=24 V DC F56=24 V (50-60 Hz) F57=110 V (50-60 Hz) F58=220 V (50-60 Hz)



<b>5/3 Double Solenoid Valve G1/8" &amp; G1/4"</b>	
<b>888.P.53.F.35.V</b>	
<b>P</b> PORT	0=G1/8" 4=G1/4"
<b>F</b> FUNCTION	31=Closed centres 32=Open centres 33=Pressured centres
<b>V</b> VOLTAGE	F05=24 V DC F56=24 V (50-60 Hz) F57=110 V (50-60 Hz) F58=220 V (50-60 Hz)


### Endplate, 37 Poles IP65

Ordering code	<b>888M.37.10</b>
	

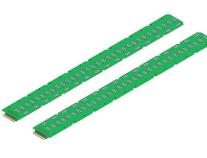
### Endplate, 25 Poles IP65

Ordering code	<b>888M.25.10</b>
	

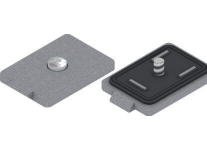
### Modular base, 2 positions IP65

Ordering code	<b>888M.02.BM</b>
	

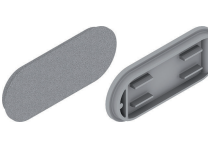
### Left and Right Power board PNP 24 VDC

Ordering code	<b>888M.P.T</b>
<b>P</b> N. POSITIONS	04=nr. 4 pos. 08=nr. 8 pos. 12=nr. 12 pos. 16=nr. 16 pos.
<b>T</b> TYPE	00 = Left side 01 = Right side
	

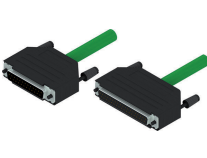
### Closing Plate

Ordering code	<b>888M.22.PC</b>
	


### Multipolar base plug

Ordering code	<b>888M.T</b>
	


### In line cable complete with connector IP40

Ordering code	<b>2400.T.L.00</b>
<b>T</b> CONNECTORS	25 = 25 poles 37 = 37 poles
<b>L</b> CABLE LENGTH	03 = 3 meters 05 = 5 meters 10 = 10 meters
	

### Cable complete with connector, 25 Poles IP65

Ordering code	<b>2300.25.L.C</b>
<b>L</b> CABLE LENGTH	03 = 3 meters 05 = 5 meters 10 = 10 meters
<b>C</b> CONNECTORS	10 = In Line 90 = 90° Angle
	

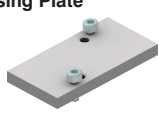
### Cable complete with connector, 37 Poles IP65

Ordering code	<b>2400.37.L.C</b>
<b>L</b> CABLE LENGTH	03 = 3 meters 05 = 5 meters 10 = 10 meters
<b>C</b> CONNECTORS	10 = In Line 90 = 90° Angle
	

### Manifold

	<b>888.P</b>
<b>P</b> POSITIONS	02 = 2 pos. 03 = 3 pos. 04 = 4 pos. 05 = 5 pos. 06 = 6 pos. 07 = 7 pos. 08 = 8 pos. 09 = 9 pos. 10 = 10 pos. 12 = 12 pos. 16 = 16 pos.

### Closing Plate

	<b>888.00</b>
---	---------------

### Seals

Ordering code	<b>888M.22.G</b>
	





These valves have aluminium or technopolymer body. The reliability of these valves have been proven over years by millions of faultless valves operating in market. This series of valves are available with G1/8” & G1/4” ports in 3/2, 5/2 and 5/3 versions. Monostable or bistable versions are available and they have built in manual override.

**Construction characteristics**

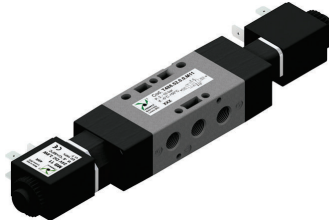
Body	Aluminium (488, 484) / Technopolymer (T488)
Spools	Stainless Steel (488, 484) / Technopolymer (T488)
Seals	NBR
Springs	Spring Steel

**Operational characteristics**

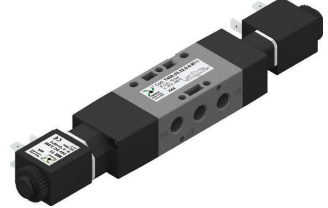
Max. Operating Pressure	10 bar
Min. Operating Pressure	2.5 bar



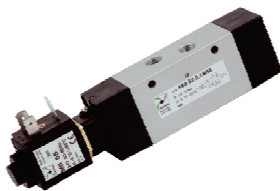
<b>3/2, 5/2 Single Solenoid Valve G1/8”</b>	
<b>T488.T.0.1.V</b>	
<b>T</b>	TYPE 32 = 3 ways 52 = 5 ways
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz



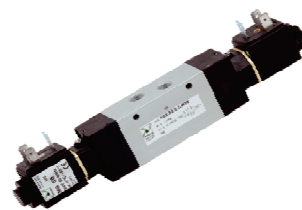
<b>3/2, 5/2 Double Solenoid Valve G1/8”</b>	
<b>T488.T.0.0.V</b>	
<b>T</b>	TYPE 32 = 3 ways 52 = 5 ways
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz



<b>5/3 Double Solenoid Valve G1/8”</b>	
<b>T488.53.F.0.0.V</b>	
<b>F</b>	FUNCTION 31 = Closed centres 32 = Opened centres 33 = Pressured centres
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8 W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz



<b>3/2, 5/2 Single Solenoid Valve G1/8” &amp; 1/4”</b>	
<b>48.P.T.0.1.V</b>	
<b>P</b>	PORT 8 = G 1/8” - All Ports 4 = G 1/4” - Inlet & Outlet Ports
<b>T</b>	TYPE 32 = 3 ways 52 = 5 ways
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz



<b>3/2, 5/2 Double Solenoid Valve G1/8” &amp; 1/4”</b>	
<b>48.P.T.0.0.V</b>	
<b>P</b>	PORT 8 = G 1/8” - All Ports 4 = G 1/4” - Inlet & Outlet Ports
<b>T</b>	TYPE 32 = 3 ways 52 = 5 ways
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz



<b>5/3 Double Solenoid Valve G1/8” &amp; 1/4”</b>	
<b>48.P.53.F.0.0.V</b>	
<b>P</b>	PORT 8 = G 1/8” - All Ports 4 = G 1/4” - Inlet & Outlet Ports
<b>F</b>	FUNCTION 31 = Closed centres 32 = Open centres 33 = Pressured centres
<b>V</b>	VOLTAGE M9 = 24 V D.C. (rating power 2 W) M11 = 24 V D.C. (rating power 3.8W) M56 = 24 V 50/60 Hz M57 = 110 V 50/60 Hz M58 = 220 V 50/60 Hz

**Common Manifold  
for T488/488/484**

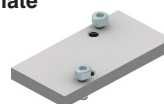


**T488.N**  
(Aluminium)

**N. POSITIONS**

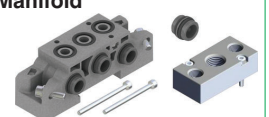
02 = 2 pos.	08 = 8 pos.
03 = 3 pos.	09 = 9 pos.
04 = 4 pos.	10 = 10 pos.
05 = 5 pos.	
06 = 6 pos.	
07 = 7 pos.	

**Closing Plate**



**T488.00**

**Modular Manifold  
For T488**



**T488.01**


The main characteristic of these valves is their poppet type construction. This offers superior resistance to adverse operating conditions such as dust particles in the compressed air and so on. The main components constituting the valves of the Tecno228 series are manufactured with high performance technopolymer. The use of technopolymer has resulted in a light weight product which can be offered to the market at very interesting prices. This valve series is manufactured with G1/8", G1/4" connections, 3 and 5 ways function, monostable spring or pneumatic return, bistable and in 5 ways 3 positions version.

**Construction characteristics**

Body	Aluminium (484) / Technopolymer (T228 / T224)
Spools	Stainless Steel (484) / Technopolymer (T228, T224)
Seals	NBR
Springs	Spring steel
Max. Operating Pressure	10 bar


**Roller lever-Spring G1/8"**

Ordering code	T228. <b>T.2.V</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>V</b> VERSION	1 = Plastic roller 1/2 = Ball bearing




**Push button-spring G1/8"**

Ordering code	T228. <b>T.6.22/C</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>C</b> BUTTON COLOR	1 = Red 2 = Black 3 = Green 4 = Yellow




**Palm button-2 positions G1/8"**

Ordering code	T228. <b>T.6.25</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways




**Switch-2 positions G1/8"**

Ordering code	T228. <b>T.6.27</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways




**Push button-2 positions G1/8"**

Ordering code	T228. <b>T.8/C</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>C</b> BUTTON COLOR	1 = Red 2 = Black 3 = Green




**Lever lateral-2 positions G1/8"**

Ordering code	T228. <b>T.9/C</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>C</b> LEVER COLOR	1 = Red 2 = Black 3 = Green




**Lever Lateral - 3 positions G1/8"**

Ordering code	T228. <b>F.9/C</b>
<b>F</b> FUNCTION	31 = Closed Centres 32 = Open Centres 33 = Pressured Centres
<b>C</b> LEVER COLOR	1 = Red 2 = Black 3 = Green




**Push button - 2 position G1/4"**

Ordering code	T224. <b>T.8</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 way




**Lever lateral - 2 positions G1/4"**

Ordering code	T224. <b>T.9/C</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>C</b> LEVER COLOR	1 = Red 2 = Black 3 = Green




**Lever lateral - 3 positions G1/4"**

Ordering code	T224. <b>F.9/C</b>
<b>F</b> FUNCTION	31 = Closed centres 32 = Open centres 33 = Pressured centres
<b>C</b> LEVER COLOR	1 = Red 2 = Black 3 = Green




**Pneumatic - Spring G1/8"**

Ordering code	T228. <b>T.11.1</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 way




**Pneumatic - Pneumatic G1/8"**

Ordering code	T228. <b>T.11.11</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways




**Pneumatic Valves G1/4"**

Ordering code	T224. <b>T.11.F</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways
<b>F</b> RESET	1 = Spring Return 11 = Pneumatic




**Lever lateral - 2 positions G1/4"**  
(Aluminium)

Ordering code	484. <b>T.9/2</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways




**Push Button - 2 position G1/4"**  
(Aluminium)


Ordering code	484. <b>T.8</b>
<b>T</b> TYPE	32 = 3 ways 52 = 5 ways











Quick Exhaust Valves	
Ordering code	
50318 - G1/8"	
50314 - G1/4"	
50338 - G3/8"	
50312 - G1/2"	
50334 - G3/4"	
50301 - G1"	


Uni-Directional Valves / Check Valves	
Ordering code	
6.07.05 - M5	
6.07.18 - G1/8"	
6.07.14 - G1/4"	
6.07.38 - G3/8"	
6.07.12 - G1/2"	


Hand Slide Valves	
Ordering code	
504M5 - M5	
50418 - G1/8"	
50414 - G1/4"	
50438 - G3/8"	
50412 - G1/2"	
50434 - G3/4"	


Uni-Directional Flow Control Valves	
Ordering code	
6.01.18NE - G1/8"	
6.01.14N - G1/4"	
6.01.12N - G1/2"	


Pneumatic Timer	
Ordering code	
900.18.3 - 0-30 sec	
900.18.3-60 - 0-60 sec	

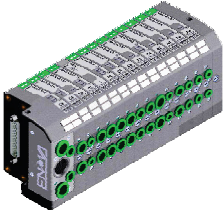
Pressure Switch	
Ordering code	
900.18.1-1 - 0.5-1 bar	
900.18.1-4 - 3.5-4 bar	

Shuttle Valves "And"	
Ordering code	
6.04.05/1 - M5	
6.04.18/1 - G1/8"	

Shuttle Valves "OR"	
Ordering code	
6.04.05 - M5	
6.04.18 - G1/8"	
6.04.14 - G1/4"	

Blocking Valves	
Ordering code	
Uni-Directional	
6.09.14.UN - G1/4"	
6.09.12.UN - G1/2"	
Bi-Directional	
6.09.14.BN - G1/4"	
6.09.12.BN - G1/2"	

Oscillator Valves G1/8"	
Ordering code	
900.52.5C	

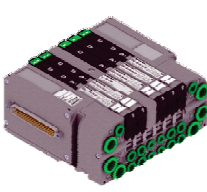



Technical innovation high performance and compact size are the main features of ENOVA valves. Each valve comprises all the necessary pneumatic and electrical functions needed to produce solenoid valve assembly.

Electrical connection are made via 25 pin connector which is capable of controlling upto 22 solenoids.

**Connection available: 4, 6, 8 mm tube**

**ENOVA Valves**



OPTYMA is the base mounted design including electrical connections into the manifold.

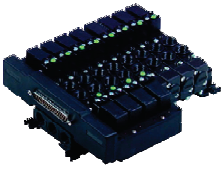
Quick mounting of the valves on the base using just one screw.

Possibility to use different pressure along the manifold including vacuum and integrate with field bus module.

Electrical connections are made via 25 or 37 pin connectors which is capable of controlling upto 22 & 32 solenoids respectively.

**Connection available: 4, 6mm tube & G1/4"**

**OPTYMA Valves**




2000 series solenoid valves have been designed to be easily assembled into modular manifolds and include integral electrical connections to facilitate simple and speedy integration into a control systems.

There are 3 main sizes 10mm, 18mm & 26mm

**Connection available: M5, 1/8", 1/4", 3/8"**

**Series 2000 Valves**



Namur interface ideal for use on process valves in many industry segments and applications like pharmaceuticals, water, chemicals, fertilizers.

These valves have Namur hole pattern and can therefore be directly mounted on other suitable components that also have same hole pattern.

**Connection available: 1/4"**

**Namur Valves**




These are directly operated 3/2 solenoid valves and has min. overall dimensions 22mm. They are suitable to be single or gang mounted.

They are equipped with manual over ride and are N.C or N.O.

**Connection available: M5, 1/8"**

**Series 300 22mm Valves**



These are directly operated 2/2 & 3/2 solenoid valves and have minimum overall dimensions 10/15mm.

They are equipped with manual over ride and are N.C or N.O.

They are suitable to be single or gang mounted.

**Connection available: M5**

**Series 300 15mm Valves**




These valves have some of their dimensional and functional characteristics that complies with international standard ISO 5599/1 which require that distributor manufactured by different maker be interchangeable.

These valves can be used mounted on individual base or gang bases.

**Connection available: ISO Size 1, 2 & 3**

**ISO Valves**




Direct acting/with pilot control suitable for water, air, steam, drinks, chemicals,


**Connection available: M5, 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"**


**2/2 Way Valves**





- Remove water and dust particles effectively.
- 40  $\mu\text{m}$  and 5  $\mu\text{m}$  filter element are easily interchangeable and replaceable.
- Accurate and easy pressure setting.
- Oil spray in mist ensures good lubrication for machines.
- Operating Pressure: 0.5 to 10 bar


Filter Regulator + Lubricator	
Ordering code	
<b>PNX-FRC-E-D-C-W</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
03 = 3/8"	
04 = 1/2"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	


Filter Regulator + Lubricator	
Ordering code	
<b>PNX-FRC-E-D-C-W</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
02 = 1/4"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	


Filter Regulator	
Ordering code	
<b>PNX-FR-E-D-C-W</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
03 = 3/8"	
04 = 1/2"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	


Filter Regulator	
Ordering code	
<b>PNX-FR-E-D-C-W</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
02 = 1/4"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	


Filter	
Ordering code	
<b>PNX-F-E-D-C</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
03 = 3/8"	
04 = 1/2"	



Filter	
Ordering code	
<b>PNX-F-E-D-C</b>	
<b>E</b> FILTER ELEMENT	
A = 5 micron	
C = 40 micron	
<b>C</b> CONNECTION	
02 = 1/4"	



Regulator	
Ordering code	
<b>PNX-R-D-C-W</b>	
<b>C</b> CONNECTION	
03 = 3/8"	
04 = 1/2"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	

Regulator	
Ordering code	
<b>PNX-R-D-C-W</b>	
<b>C</b> CONNECTION	
02 = 1/4"	
<b>W</b> GAUGE	
- = W/o Gauge	
G = With Gauge	



Lubricator	
Ordering code	
<b>PNX-L-C</b>	
<b>C</b> CONNECTION	
03 = 3/8"	
04 = 1/2"	



Lubricator	
Ordering code	
<b>PNX-L-C</b>	
<b>C</b> CONNECTION	
02 = 1/4"	

	<p>The great advantage of these air service units components is there modular design which allows there assembly without the use of additional accessories.</p> <p>Shut off valve, progressive startup valve, air intake block can be assemble in the system.</p> <p><b>Port: 1/8", 1/4", 3/8", 1/2" &amp; 3/4" &amp; 1"</b></p>		<p>Shutoff valve can be equipped with lock to prevent accident or damage due to unauthorised operations.</p> <p><b>Port: 1/4", 3/8", 1/2" &amp; 1"</b></p>
<p><b>FR+L</b></p>		<p><b>Shutoff Valves</b></p>	

	<p>The progressive solenoid valve pneumatically or electro pneumatically controls allows air supply to the circuit progressively and with adjustable time.</p> <p><b>Port: 1/4", 3/8", 1/2" &amp; 1"</b></p>		<p>Diaphragm pressure regulator with techno polymer body and aluminium reinforced threaded connections.</p> <p>These regulators are available with relieving, no relieving, improve relieving, and quick exhaust options for different applications.</p> <p><b>Port: 1/8" &amp; 1/4"</b></p>
<p><b>Progressive Startup Valves</b></p>		<p><b>Panel Mounting Pressure Reg.</b></p>	

	<p>Accurate capacity to maintain set pressure sensitivity combine with high relieving rates.</p> <p>High flow rate with extremely low pressure drop.</p> <p>Pressure adjusting lockable handle by simply pressing it down word.</p> <p>Body made with anodized aluminium alloy.</p> <p><b>Port: 1/4" &amp; 1/2"</b></p>		<p>Pneumax modular regulators have a common inlet for the whole manifold joined by a bayonet system.</p> <p>Alternatively to standard version it is also possible to use regulators with manometer included.</p> <p>This solution allows space savings on machine.</p> <p><b>Port: 1/8" &amp; 1/4"</b></p>
<p><b>Precision Regulators</b></p>		<p><b>Manifold Pressure Regulators</b></p>	

	<p>The new air plus series frl features modular design increased performance easy &amp; fast assembly and introduction of latest technical features.</p> <p>These air service units are available in Technopolymer body with an option of metal inserts.</p> <p><b>Port: 1/8", 1/4", 3/8" &amp; 1/2"</b></p>		<p>Pressure booster boosts the line pressure without additional electrical power source.</p> <p>Automatic operation for use with compressed air only.</p> <p>Integrated regulator for output pressure control.</p> <p><b>Dia: 40, 63 &amp; 100</b></p>
<p><b>Air Plus</b></p>		<p><b>Booster</b></p>	

	<p>The electronic proportion regulator controls air pressure proportional to an electrical signals.</p> <p>7 digital inputs and 1 analog input. High Flow rate. RS 232 communication. Linearity: <math>&lt;\pm 0.3\%</math> FS, Hysteresis: <math>&lt;0.3\%</math> FS, Repeatability: <math>&lt;\pm 0.3\%</math> FS.</p> <p><b>Port: M5, 1/4" &amp; 1/2"</b></p>		<p>Two switch output and one analog output hysteresis adjustable high accuracy and resolution.</p> <p>Pressure range: Compound -100~100kPa Vaccum 0~101.3kPa Positive 0~1MPa Programmable pressure unit</p> <p><b>Port: 1/8"</b></p>
<p><b>Electronic Proportional Reg.</b></p>		<p><b>Digital Pressure Switch</b></p>	





**TECHNICAL SPECIFICATIONS**

<p><b>FLUID</b>  <b>Operating Pressure</b>  <b>Negative Pressure</b>  <b>Operating Temp.</b>  <b>Applicable Tube</b>  <b>O-Rings</b>  <b>Body</b></p>	<p><b>AIR - ( No other Gases or liquids )</b>  <b>0-10 Kg/cm2</b>  <b>-750mm Hg</b>  <b>0-60°C</b>  <b>Polyurethane &amp; Nylon</b>  <b>NBR</b>  <b>Brass / Technopolymer</b></p>
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	Code	øD	Thread	Code	øD	Thread
	PPCG4-M5G	4	M5	PPCG8-03G	8	G3/8
	PPCG4-01G	4	G1/8	PPCG8-04G	8	G1/2
	PPCG4-02G	4	G1/4	PPCG10-01G	10	G1/8
	PPCG6-M5G	6	M5	PPCG10-02G	10	G1/4
	PPCG6-01G	6	G1/8	PPCG10-03G	10	G3/8
	PPCG6-02G	6	G1/4	PPCG10-04G	10	G1/2
	PPCG6-03G	6	G3/8	PPCG12-01G	12	G1/8
	PPCG6-04G	6	G1/2	PPCG12-02G	12	G1/4
	PPCG8-01G	8	G1/8	PPCG12-03G	12	G3/8
	PPCG8-02G	8	G1/4	PPCG12-04G	12	G1/2

	Code	øD	Thread	Code	øD	Thread
	PPFG4-M5G	4	M5	PPFG8-03G	8	G3/8
	PPFG4-01G	4	G1/8	PPFG8-04G	8	G1/2
	PPFG4-02G	4	G1/4	PPFG10-01G	10	G1/8
	PPFG6-M5G	6	M5	PPFG10-02G	10	G1/4
	PPFG6-01G	6	G1/8	PPFG10-03G	10	G3/8
	PPFG6-02G	6	G1/4	PPFG10-04G	10	G1/2
	PPFG6-03G	6	G3/8	PPFG12-01G	12	G1/8
	PPFG6-04G	6	G1/2	PPFG12-02G	12	G1/4
	PPFG8-01G	8	G1/8	PPFG12-03G	12	G3/8
	PPFG8-02G	8	G1/4	PPFG12-04G	12	G1/2

	Code	øD	Thread	Code	øD	Thread
	PPU4G	4		PPU6-4G	6-4	
	PPU6G	6		PPU8-6G	8-6	
	PPU8G	8		PPU10-8G	10-8	
	PPU10G	10		PPU12-10G	12-10	
	PPU12G	12				

	Code	øD	Thread	Code	øD	Thread
	PPM4G	4		PPM10G	10	
	PPM6G	6		PPM12G	12	
	PPM8G	8				

	Code	øD	Thread	Code	øD	Thread
	PPLG4-M5G	4	M5	PPLG8-03G	8	G3/8
	PPLG4-01G	4	G1/8	PPLG8-04G	8	G1/2
	PPLG4-02G	4	G1/4	PPLG10-01G	10	G1/8
	PPLG6-M5G	6	M5	PPLG10-02G	10	G1/4
	PPLG6-01G	6	G1/8	PPLG10-03G	10	G3/8
	PPLG6-02G	6	G1/4	PPLG10-04G	10	G1/2
	PPLG6-03G	6	G3/8	PPLG12-01G	12	G1/8
	PPLG6-04G	6	G1/2	PPLG12-02G	12	G1/4
	PPLG8-01G	8	G1/8	PPLG12-03G	12	G3/8
	PPLG8-02G	8	G1/4	PPLG12-04G	12	G1/2

	Code	øD	Thread	Code	øD	Thread
	PPLFG4-M5G	4	M5	PPLFG8-03G	8	G3/8
	PPLFG4-01G	4	G1/8	PPLFG8-04G	8	G1/2
	PPLFG4-02G	4	G1/4	PPLFG10-01G	10	G1/8
	PPLFG6-M5G	6	M5	PPLFG10-02G	10	G1/4
	PPLFG6-01G	6	G1/8	PPLFG10-03G	10	G3/8
	PPLFG6-02G	6	G1/4	PPLFG10-04G	10	G1/2
	PPLFG6-03G	6	G3/8	PPLFG12-01G	12	G1/8
	PPLFG6-04G	6	G1/2	PPLFG12-02G	12	G1/4
	PPLFG8-01G	8	G1/8	PPLFG12-03G	12	G3/8
	PPLFG8-02G	8	G1/4	PPLFG12-04G	12	G1/2

	Code	øD	Thread	Code	øD	Thread
	PPV4G	4		PPV10G	10	
	PPV6G	6		PPV12G	12	
	PPV8G	8				

	Code	øD	Thread	Code	øD	Thread
	PPBG4-M5G	4	M5	PPBG8-03G	8	G3/8
	PPBG4-01G	4	G1/8	PPBG8-04G	8	G1/2
	PPBG4-02G	4	G1/4	PPBG10-01G	10	G1/8
	PPBG6-M5G	6	M5	PPBG10-02G	10	G1/4
	PPBG6-01G	6	G1/8	PPBG10-03G	10	G3/8
	PPBG6-02G	6	G1/4	PPBG10-04G	10	G1/2
	PPBG6-03G	6	G3/8	PPBG12-01G	12	G1/8
	PPBG6-04G	6	G1/2	PPBG12-02G	12	G1/4
	PPBG8-01	8	G1/8	PPBG12-03G	12	G3/8
	PPBG8-02	8	G1/4	PPBG12-04G	12	G1/2

	Code	øD	Thread	Code	øD	Thread
	PPDG4-M5G	4	M5	PPDG8-03G	8	G3/8
	PPDG4-01G	4	G1/8	PPDG8-04G	8	G1/2
	PPDG4-02G	4	G1/4	PPDG10-01G	10	G1/8
	PPDG6-M5G	6	M5	PPDG10-02G	10	G1/4
	PPDG6-01G	6	G1/8	PPDG10-03G	10	G3/8
	PPDG6-02G	6	G1/4	PPDG10-04G	10	G1/2
	PPDG6-03G	6	G3/8	PPDG12-01G	12	G1/8
	PPDG6-04G	6	G1/2	PPDG12-02G	12	G1/4
	PPDG8-01G	8	G1/8	PPDG12-03G	12	G3/8
	PPDG8-02G	8	G1/4	PPDG12-04G	12	G1/2


	Code	øD	Thread	Code	øD	Thread
	PPE4G	4		PPE8-4G	6-4	
	PPE6G	6		PPE8-6G	8-6	
	PPE8G	8		PPE10-8G	10-8	
	PPE10G	10		PPE12-10G	12-10	
	PPE12G	12				

	Code	øD	Thread	Code	øD	Thread
	PPXG4-M5G	4	M5	PPXG8-03G	8	G3/8
	PPXG4-01G	4	G1/8	PPXG8-04G	8	G1/2
	PPXG4-02G	4	G1/4	PPXG10-01G	10	G1/8
	PPXG6-M5G	6	M5	PPXG10-02G	10	G1/4
	PPXG6-01G	6	G1/8	PPXG10-03G	10	G3/8
	PPXG6-02G	6	G1/4	PPXG10-04G	10	G1/2
	PPXG6-03G	6	G3/8	PPXG12-01G	12	G1/8
	PPXG6-04G	6	G1/2	PPXG12-02G	12	G1/4
	PPXG8-01G	8	G1/8	PPXG12-03G	12	G3/8
	PPXG8-02G	8	G1/4	PPXG12-04G	12	G1/2


	Code	øD	Thread	Code	øD	Thread
	PPY4G	4		PPY6-4G	6-4	
	PPY6G	6		PPY8-6G	8-6	
	PPY8G	8		PPY10-8G	10-8	
	PPY10G	10		PPY12-10G	12-10	
	PPY12G	12				

Specifications may be subject to change without prior notice




	Code	øD	Thread	Code	øD	Thread
	PPZ4G	4		PPZ10G	10	
	PPZ6G	6		PPZ12G	12	
	PPZ8G	8				


**Equal Cross Connector**

	Code	øD	Thread	Code	øD	Thread
	PPKDG4-02G	4	G1/4"	PPKDG8-01G	8	G1/8"
	PPKDG6-01G	6	G1/8"	PPKDG8-02G	8	G1/4"
	PPKDG6-02G	6	G1/4"	PPKDG8-03G	8	G3/8"
	PPKDG6-03G	6	G3/8"			


**Swivel Threaded 5 Port Distributor**

	Code	øD	Thread	Code	øD	Thread
	PPK8-6G	8-6		PPK6-4G	6-4	
	PPK10-8G	10-8		PPK8-4G	8-4	
	PPK10-6G	10-6				


**5 Port Distributor**

	Code	øD	Thread	Code	øD	Thread
	PPP4G	4		PPP10G	10	
	PPP6G	6		PPP12G	12	
	PPP8G	8				


**Tube Plug**

	Code	øD	Thread	Code	øD	Thread
	PPHG4-01G	4	G1/8	PPHG8-04G	8	G1/2
	PPHG4-02G	4	G1/4	PPHG10-01G	10	G1/8
	PPHG6-01G	6	G1/8	PPHG10-02G	10	G1/4
	PPHG6-02G	6	G1/4	PPHG10-03G	10	G3/8
	PPHG6-03G	6	G3/8	PPHG10-04G	10	G1/2
	PPHG6-04G	6	G1/2	PPHG12-01G	12	G1/8
	PPHG8-01G	8	G1/8	PPHG12-02G	12	G1/4
	PPHG8-02G	8	G1/4	PPHG12-03G	12	G3/8
	PPHG8-03G	8	G3/8	PPHG12-04G	12	G1/2

**Swivel Single Banjo Elbow Connector**


	Code	øD	Thread	Code	øD	Thread
	PPHTG4-01G(2)	4	G1/8	PPHTG8-04G(2)	8	G1/2
	PPHTG6-01G(2)	6	G1/8	PPHTG10-01G(2)	10	G1/8
	PPHTG6-02G(2)	6	G1/4	PPHTG10-02G(2)	10	G1/4
	PPHTG6-03G(2)	6	G3/8	PPHTG10-03G(2)	10	G3/8
	PPHTG6-04G(2)	6	G1/2	PPHTG10-04G(2)	10	G1/2
	PPHTG8-01G(2)	8	G1/8	PPHTG12-01G(2)	12	G1/8
	PPHTG8-02G(2)	8	G1/4	PPHTG12-02G(2)	12	G1/4
	PPHTG8-03G(2)	8	G3/8	PPHTG12-03G(2)	12	G3/8

**Swivel Double Banjo Elbow Connector**

	Code	øD	Thread	Code	øD	Thread
	PPGJ6-4G	6-4		PPGJ12-6G	12-6	
	PPGJ8-4G	8-4		PPGJ12-8G	12-8	
	PPGJ8-6G	8-6		PPGJ12-10G	12-10	
	PPGJ10-6G	10-6				


**Push In Reducer**


### Silencers

	Code	Thread			
	PSLM5	M5			
	PSL01	G1/8			
	PSL02	G1/4			
	PSL03	G3/8			
	PSL04	G1/2			
	PSL06	G3/4			


**Brass Silencers**


### Flow Control Valves

Flow Control Valve (Meter Out)						
	Code	øD	Thread	Code	øD	Thread
	PSCG4-M5G	4	M5	PSCG8-03G	8	G3/8
	PSCG4-01G	4	G1/8	PSCG8-04G	8	G1/2
	PSCG4-02G	4	G1/4	PSCG10-01G	10	G1/8
	PSCG6-M5G	6	M5	PSCG10-02G	10	G1/4
	PSCG6-01G	6	G1/8	PSCG10-03G	10	G3/8
	PSCG6-02G	6	G1/4	PSCG10-04G	10	G1/2
	PSCG6-03G	6	G3/8	PSCG12-02G	12	G1/4
	PSCG6-04G	6	G1/2	PSCG12-03G	12	G3/8
	PSCG8-01G	8	G1/8	PSCG12-04G	12	G1/2
	PSCG8-02G	8	G1/4			

	Code	Thread			
	PESL01	G1/8			
	PESL02	G1/4			
	PESL03	G3/8			
	PESL04	G1/2			

**Exhaust Throttle Silencers**

Flow Control Valve (Meter IN)						
	Code	øD	Thread	Code	øD	Thread
	PSCG4-M5G(B)	4	M5	PSCG8-03G(B)	8	G3/8
	PSCG4-01G(B)	4	G1/8	PSCG8-04G(B)	8	G1/2
	PSCG4-02G(B)	4	G1/4	PSCG10-01G(B)	10	G1/8
	PSCG6-M5G(B)	6	M5	PSCG10-02G(B)	10	G1/4
	PSCG6-01G(B)	6	G1/8	PSCG10-03G(B)	10	G3/8
	PSCG6-02G(B)	6	G1/4	PSCG10-04G(B)	10	G1/2
	PSCG6-03G(B)	6	G3/8	PSCG12-02G(B)	12	G1/4
	PSCG6-04G(B)	6	G1/2	PSCG12-03G(B)	12	G3/8
	PSCG8-01G(B)	8	G1/8	PSCG12-04G(B)	12	G1/2
	PSCG8-02G(B)	8	G1/4			

	Code	Thread			
	PSLMM5	M5			
	PSLM01	G1/8			
	PSLM02	G1/4			
	PSLM03	G3/8			
	PSLM04	G1/2			
	PSLM06	G3/4			

**Brass Mini Silencers**



**TECHNICAL SPECIFICATIONS**

Tube Size	4x2.5	6x4	8x5.5	10x6.5	12x8
O.D	4mm	6.0mm	8mm	10.0mm	12.0mm
I.D	2.5mm	4.0mm	5.5mm	6.5mm	8.0mm
Shore Hardness	98A ± 2	98A ± 2	98A ± 2	98A ± 2	98A ± 2
Max. Working Pressure (at 23°C)	13bar	11bar	12bar	11bar	10bar
Min. Burst Pressure (at 23°C)	39bar	33bar	36bar	33bar	30bar
Min. Bend Radius	10mm	20mm	30mm	35mm	40mm



O.D	ID	Blue	Black	Neutral	Red	Yellow	Green
4	2.5	TPU0425	TPU0425B	TPU0425N	TPU0425R	TPU0425Y	TPU0425G
6	4	TPU0640	TPU0640B	TPU0640N	TPU0640R	TPU0640Y	TPU0640G
8	5.5	TPU0855	TPU0855B	TPU0855N	TPU0855R	TPU0855Y	TPU0855G
10	6.5	TPU1065	TPU1065B	TPU1065N	TPU1065R	TPU1065Y	TPU1065G
12	8	TPU1280	TPU1280B	TPU1280N	TPU1280R	TPU1280Y	TPU1280G
14	10	TPU1410	TPU1410B	TPU1410N	TPU1410R	TPU1410Y	TPU1410G
16	12	TPU1612	TPU1612B	TPU1612N	TPU1612R	TPU1612Y	TPU1612G

**Recoil Tubing**

**TPUS**

Tube Size

Tube Colour

Working Length

- 0425
- 0640
- 0855
- 1065
- 1280
- 1410
- 1612

- = Blue
- B = Black
- N = Neutral
- R = Red
- Y = Yellow
- G = Green

- 2 = 2 meter
- 4 = 4 meter
- 6 = 6 meter
- 8 = 8 meter
- 10 = 10 meter
- 12 = 12 meter
- 15 = 15 meter



O.D	4	6	8	10	12	14	16
I.D	2.5	4	5.5	6.5	8	10	12





**PNEUMAX PNEUMATIC INDIA PVT. LTD.**

D-82, Hosiery Complex  
Phase - II Extn. Noida - 201305

Tel 0120 4352560/61/62  
Fax 0120 4352563

[info@pneumax-india.com](mailto:info@pneumax-india.com)  
[www.pneumaxspa.com](http://www.pneumaxspa.com)

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