

PNEUMATIC LINEAR ACTUATOR

DOUBLE ACTING series PD

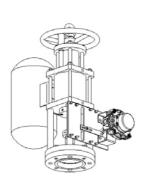
SERVOVALVE spa

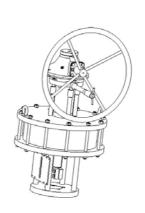
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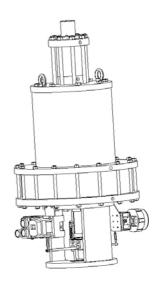
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TECHNICAL DESCRIPTION

Servovalve actuator type PD consists of pneumatic double acting cylinder designed to operate globe or gate or any other valve that might require a linear movement operator.

PD actuator is designed and manufactured so to operate in the heaviest work condition due to his particularly simple and heavy-duty construction and resistance to corrosion phenomenon.

All PD actuator are designed with weather proof construction that assure complete protection for springs and all internal moving parts, minimizing the possibility of internal misalignment and reduces the chance of injury to operating personnel.

Pneumatic cylinders are realised in chromium plated carbon steel (available on request execution with electroless nickel plated cylinder) for corrosion resistance and friction reduction.

A PTFE charged slide guarantees a perfect drive and alignment of the piston under all load conditions allowing gasket seals long life.

Chromium plated carbon steel shaft , dynamic floating seals and PTFE charged bushing allow to reduce the sliding friction and avoid stick-slip effect.

Particular care in material selection and design ensure optimum performances and reduced hysteresis and dead band for accurate and precise automation of linear control valves.

The inner parts are lifetime lubricated, therefore only replacement of dynamic gaskets may become necessary after a long working time.

PD can be equipped with manual emergency override as handwheel or gear reductor or manual hydraulic handpump on request, as well as hydraulic dampers for particular valves or service.

QUALITY ASSURANCE AND CERTIFICATION

Design, manufacture and test procedures of PD linear pneumatic actuators are complying to the highest quality and efficiency standards and are based on Servovalve following awarded standard certifications:

- ♦ EN ISO 9001:2008
- ◆ EN ISO 14001-2004 Environmental Management System
- ♦ BS OHSAS 18001:2007 Occupational Health and Safety Assessment Series

PD linear pneumatic double acting actuators are also designed and certified according to :

- ◆ European Pressure Equipment Directive 97/23/CE (PED)
- ◆ Atex Directive 95/9/CE
- ♦ Gost-R
- Rostechnadzor

TECHNICAL STANDARD PERFORMANCE

Pressure range

- ♦ air working pressure range : 2 ÷ 10 bar
- ◆ standard design pressure: 10,5 bar
- ♦ air test pressure: 1,5 max working pressure

Higher working pressure range or design pressure available on request

Environmental Temperature Range

- ◆ standard minimum temperature : -20°C
- ◆ standard maximum temperature : +80°C

Available execution for following environmental conditions (refer to actuator code legend options):

Minimum temperature -60°C

Maximum temperature +150°C

For different temperature contact our sales

Medium Supply

- sweet natural gas (dry no-lubricated)
- nitrogen
- execution for low pressure oil available on request
- different medium supply on request

Customised execution on request

Servovalve production is highly oriented in designing special execution to satisfy a wide range of customised requirement such as :

- ★ On-off or modulating execution
- * Fail safe execution with air tank
- ★ Execution for offshore or highly aggressive environmental
- ★ Design of customised coupling yokes to fit any kind of valve topwork
- ★ Execution with mechanical end stop screws in opening or closing or both directions
- **★** Fast acting execution
- ★ Execution with dampers or Air over Oil damping circuit
- ★ Subsea design

Please contact our sales department for technical evaluation in case of different customised requirement

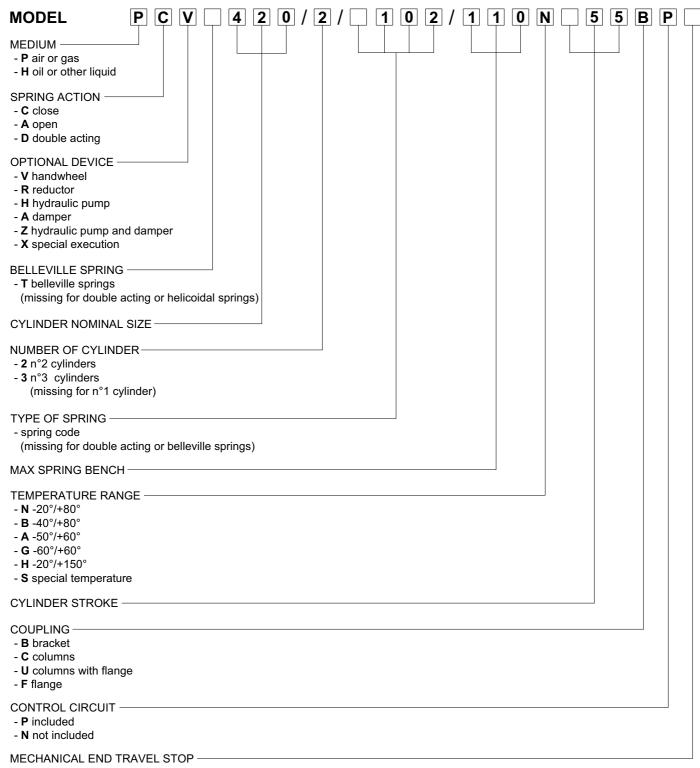
Controls

PD actuators can be supplied fully equipped with control component packages to full fill customer requirement and comply to technical specifications for the various industrial control applications for on/off, modulating or ESD service

Controls are designed based on Servovalve technical skill and long experience in valve automation.

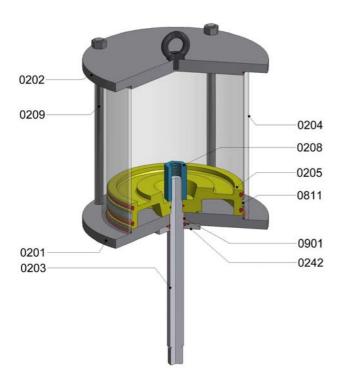
AIR OPEN – AIR CLOSE

LINEAR ACTUATOR CODE MODE



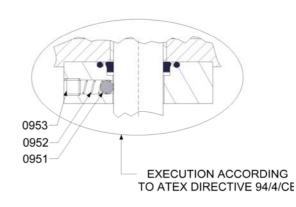
- O open position
- ${\bf C}$ closed position
- D open and closed position (missing for standard execution without mechanical end travel stop)

PD 125 ÷ 250



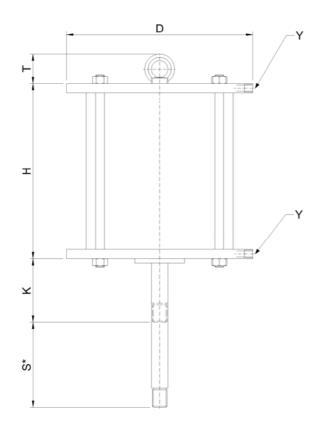
POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	CYLINDER	E 355 EN 10297-1
0205	PISTON	AlSi6Cu4 EN 1706
0208	PISTON NUT	S275 JR EN 10025-2
0209	STAY BOLT	42CrMo4 EN 10269
0242	FLANGE	42CrMo4 EN 10083-3
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0951	BALL	ALLOY STELL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

AL	L O-RING AND	GASKET MA	TERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON

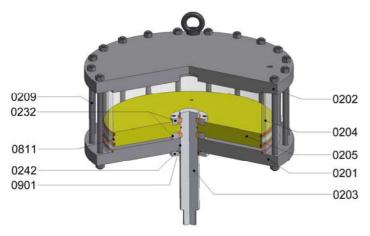


	OVERA	ALL DIMENSI	ONS (mm	1)	
TYPE	ØD	н	K	Т	Υ
PD 125	150	120+S*	90	35	1/4" NPT
PD 160	180	115+S*	90	35	1/4" NPT
PD 200	220	110+S*	90	35	1/4" NPT
PD 250	340	140+S*	90	35	1/4" NPT

STROKE (S*) = ACTUATOR STROKE (mm)
Y = PNEUMATIC ACTUATOR CONNECTION

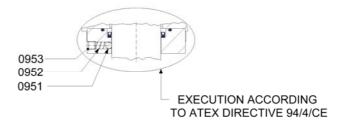


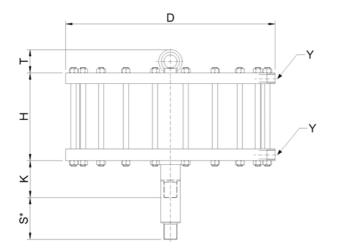




POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	CYLINDER	E 355 EN 10297-1
0205	PNEUMATIC PISTON	S 355 J2G3 EN 10025-2
0209	STAY BOLT	42CrMo4 EN 10269
0232	FLANGE	S 355 J2G3 EN 10025-2
0242	FLANGE	42CrMo4 EN 10083-3
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

ALI	L O-RING AND	GASKET MA	TERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON

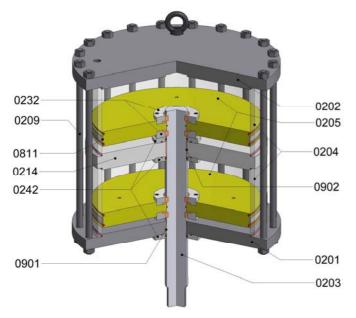




	OVERA	LL DIMEN	SIONS (n	nm)	
TYPE	ØD	Н	K	Т	Υ
PD 300	410	105+S*	110	75	1/2" NPT
PD 360	470	145+S*	110	75	1/2" NPT
PD 420	555	145+S*	110	75	1/2" NPT
PD 500	590	150+S*	120	75	1/2" NPT
PD 520	640	165+S*	120	75	1/2" NPT
PD 600	700	175+S*	120	75	1/2" NPT
PD 620	745	180+S*	120	75	1/2" NPT
PD 700	830	215+S*	140	100	3/4" NPT
PD 800	930	240+S*	140	110	3/4" NPT

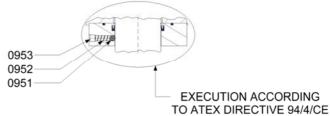
STROKE (S*) = ACTUATOR STROKE (mm)
Y = PNEUMATIC ACTUATOR CONNECTION

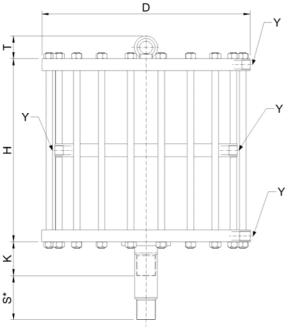




POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	PNEUMATIC CYLINDER	E 355 EN 10297-1
0205	PYSTON	S 355 J2G3 EN 10025-2
0209	STAY BOLT	42CrMo4 EN 10269
0214	INTERMEDIATE HEAD	P 355 NL2 EN 10028-3
0232	FLANGE	S 355 J2G3 EN 10025-2
0242	FLANGE	42CrMo4 EN 10083-3
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0902	BUSHING	BRONZE + PTFE
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

Al	LL O-RING ANI	D GASKET MA	ATERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON



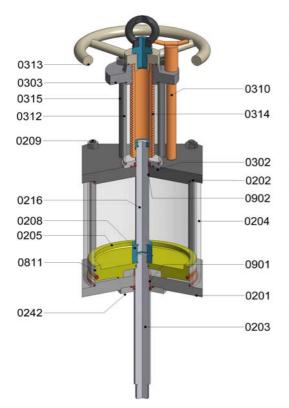


OVERALL DIMENSIONS (mm)					
TYPE	ØD	н	K	Т	Y
PD 420/2	560	285+2S*	110	75	1/2" NPT
PD 500/2	595	305+2S*	120	75	1/2" NPT
PD 520/2	645	310+2S*	120	75	1/2" NPT
PD 600/2	710	325+2S*	120	75	1/2" NPT
PD 620/2	755	345+2S*	120	75	1/2" NPT
PD 700/2	840	410+2S*	140	100	3/4" NPT
PD 800/2	940	445+2S*	140	110	3/4" NPT

STROKE (S*) = ACTUATOR STROKE (mm)
Y = PNEUMATIC ACTUATOR CONNECTION

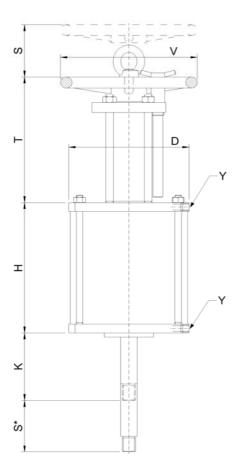


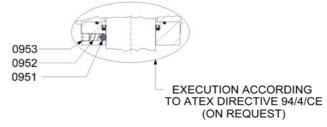
PDV 125 ÷ 250



POS.	DESCRIPTION	MATERIAL	
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3	
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3	
0203	SHAFT	42CrMo4 EN 10083-3	
0204	CYLINDER	E 355 EN 10297-1	
0205	PNEUMATIC PISTON	AlSi6Cu4 EN 1706	
0208	PISTON NUT	S 275 JR EN 10025-2	
0209	STAY BOLT	42CrMo4 EN 10269	
0216	SHAFT	42CrMo4 EN 10083-3	
0242	FLANGE	42CrMo4 EN 10083-3	
0302	FLANGE	S 355 J2 G3 EN 10025-2	
0303	FLANGE	EN-GJS-400 EN 1563	
0310	PIN	X20Cr 13 EN 10088-1	
0311	CAP	X2CrNiMo 17-12-2 EN 10088-1	
0312	TUBE	E 355 EN 10297-1	
0313	HANDWEEL	P 195 TR EN 10216-1	
0314	DRIVE NUT	CW 614 N EN 12164	
0315	STAY BOLT	42CrMo4 EN 10269	
0811	PISTON DRIVE	PTFE+GRAPHITE	
0901	BUSHING	BRONZE + PTFE	
0902	BUSHING	BRONZE + PTFE	
0951	BALL	ALLOY STEEL	
0952	SPRING	51CrV4 EN 10089	
0953	DOWEL	8.8 EN 20898-1	

ALL O-RING AND GASKET MATERIAL						
AMB. TEMP.	TEMP	O-RING	GASKET			
STANDARD	-20 / +80	N.B.R.	POLYURETHANE			
LOW TEMP.	-40 / -60	SILICON	SILICON			
HIGH TEMP.	+90 / +120	VITON	VITON			

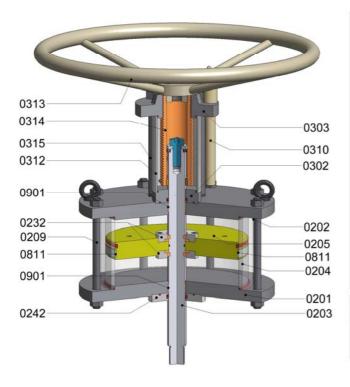




OVERALL DIMENSIONS (mm)						
TYPE	ØD	Н	K	Т	Øν	Y
PDV 125	150	120+S*	90	125+S*	250	1/4" NPT
PDV 160	180	115+S*	90	125+S*	250	1/4" NPT
PDV 200	220	110+S*	90	125+S*	250	1/4" NPT
PDV 250	340	140+S*	90	125+S*	350	1/4" NPT

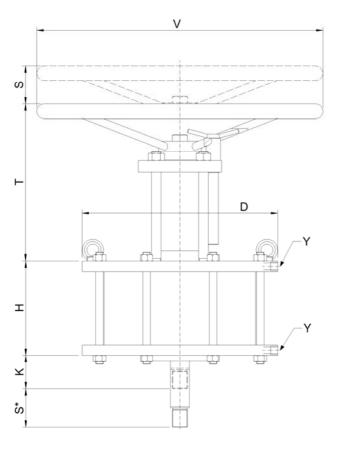
STROKE (S*) = ACTUATOR STROKE (mm)
Y = PNEUMATIC ACTUATOR CONNECTION

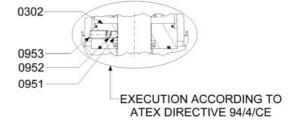




POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	CYLINDER	E 355 EN 10297-1
0205	PISTON	S 355 J2G3 EN 10025-2
0209	STAY BOLT	42CrMo4 EN 10269
0232	RING NUT	42CrMo4 EN 10083-3
0242	FLANGE	42CrMo4 EN 10083-3
0302	INTERNAL FLANGE	C40 EN 10083-2
0303	SCREW FLANGE	EN-GJS 250
0310	PIN	X20Cr 13 EN 10088-1
0311	SCREW	Nylon
0312	TUBE	S355 JR EN 10025-2
0313	HANDWHEEL	P 195 TR EN 10216-1
0314	CANOT	EN-GJS 400-15
0315	STAY BOLT	42CrMo4 EN 10269
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

AL	L O-RING AND	GASKET MA	TERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON



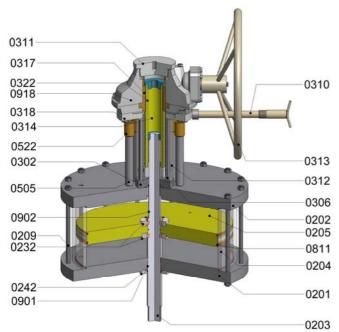


OVERALL DIMENSIONS (mm)						
TYPE	ØD	Н	K	Т	Ø۷	Υ
PDV 300	410	140+S*	110	125+S*	350	1/2" NPT
PDV 360	470	145+S*	110	125+S*	500	1/2" NPT
PDV 420	555	145+S*	110	125+S*	600	1/2" NPT

STROKE (S*) = ACTUATOR STROKE (mm)
Y = PNEUMATIC ACTUATOR CONNECTION



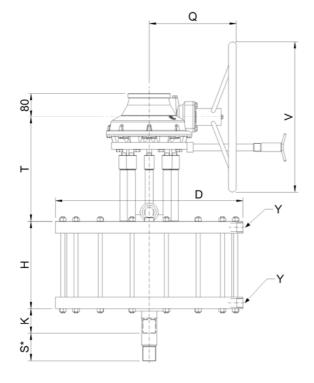
PDR 360 ÷ 800



0302	
0953 0952	
0951	EXECUTION ACCORDING TO
	ATEX DIRECTIVE QUAICE

POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	PNEUMATIC CYLINDER	E 355 EN 10297-1
0205	PISTON	S 355 J2G3 EN 10025-2
0209	STAY BOLD	42CrMo4 EN 10269
0232	FLANGE	42CrMo4 EN 10083-3
0242	FLANGE	42CrMo4 EN 10083-3
0302	FLANGE	C40 EN 10083-2
0306	TUBE	E 355 EN 10297-1
0310	PIN	X20Cr 13 EN 10088-1
0311	CAP	EN-AW-2011 EN 573-3
0312	TUBE	E 355 EN 10297-1
0313	HANDWHEEL	P 195 TR EN 10216-1
0314	DRIVE NUT	C40 EN 10083-2
0317	DRIVE NUT	CB 333G EN 1982
0318	FLANGE	S 355 J2G3 EN 10025-2
0322	RING NUT	S 355 J2G3 EN 10025-2
0354	RING NUT	S 355 J2G3 EN 10025-2
0369	RING	X2CrNiMo 17-12-2 EN 10088-1
0505	SAFETY TUBE	E 355 EN 10297-1
0522	SAFETY NUT	CB 331G EN 1982
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0902	BUSHING	BRONZE + PTFE
0918	REDUCTOR	CAST IRON
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

,	ALL O-RING AN	ID GASKET MA	ATERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON



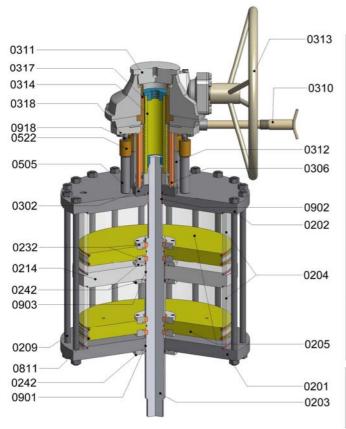
	OVERALL DIMENSIONS (mm)							
	TYPE	ØD	Н	K	Q	Т	ØΥ	Υ
	PDR 360	470	145+S*	110	300	200+S*	600	1/2" NPT
	PDR 420	555	145+S*	110	340	200+S*	600	1/2" NPT
	PDR 500	590	150+S*	120	370	220+S*	600	1/2" NPT
	PDR 520	640	165+S*	120	390	220+S*	600	1/2" NPT
	PDR 600	700	175+S*	120	420	220+S*	800	1/2" NPT
1	PDR 620	745	180+S*	120	440	220+S*	800	1/2" NPT
	PDR 700	830	215+S*	140	470	245+S*	800	3/4" NPT
	PDR 800	930	240+S*	140	540	245+S*	800	3/4" NPT
-								

STROKE (S*) = ACTUATOR STROKE (mm)

Y = PNEUMATIC ACTUATOR CONNECTION



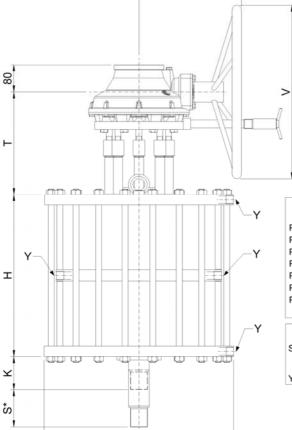
Pneumatic Linear Actuator PDR 420/2 ÷ 800/2

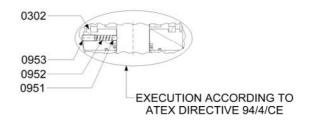


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POS.	DESCRIPTION	MATERIAL
0201	INFERIOR HEAD	P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	PNEUMATIC CYLINDER	E 355 EN 10297-1
0205	PISTON	S 355 J2G3 EN 10025-2
0209	STAY BOLD	42CrMo4 EN 10269
0232	FLANGE	42CrMo4 EN 10083-3
0242	FLANGE	42CrMo4 EN 10083-3
0302	FLANGE	C40 EN 10083-2
0306	TUBE	E 355 EN 10297-1
0310	PIN	X20Cr 13 EN 10088-1
0311	CAP	EN-AW-2011 EN 573-3
0312	TUBE	E 355 EN 10297-1
0313	HANDWHEEL	P 195 TR EN 10216-1
0314	DRIVE NUT	C40 EN 10083-2
0317	DRIVE NUT	CB 333G EN 1982
0318	FLANGE	S 355 J2G3 EN 10025-2
0505	SAFETY TUBE	E 355 EN 10297-1
0522	SAFETY NUT	CB 331G EN 1982
0811	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0902	BUSHING	BRONZE + PTFE
0918	REDUCTOR	CAST IRON
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

Α	LL O-RING AN	D GASKET MA	ATERIAL
AMB. TEMP.	TEMP	O-RING	GASKET
STANDARD	-20 / +80	N.B.R.	POLYURETHANE
LOW TEMP.	-40 / -60	SILICON	SILICON
HIGH TEMP.	+90 / +120	VITON	VITON





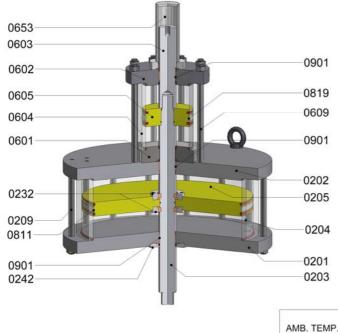
		OVERA	ILL DIME	NSIONS	(mm)			
TYPE	ØD	н	K	Q	Т	ØΥ	Υ	
PDR 420/2	560	285+2S*	110	340	200+S*	600	1/2" NPT	
PDR 500/2	595	305+2S*	120	370	220+S*	600	1/2" NPT	
PDR 520/2	645	310+2S*	120	390	220+S*	600	1/2" NPT	
PDR 600/2	710	325+2S*	120	420	220+S*	800	1/2" NPT	
PDR 620/2	755	345+2S*	120	420	245+S*	800	1/2" NPT	
PDR 700/2	840	410+2S*	140	470	245+S*	800	3/4" NPT	
PDR 800/2	940	445+2S*	140	540	245+S*	800	3/4" NPT	

STROKE (S*) = ACTUATOR STROKE (mm)

Y = PNEUMATIC ACTUATOR CONNECTION



Pneumatic Linear Actuator PDA/H/Z 420 ÷ 800



PDA = with damper PDH = with hydraulic pump PDZ = with hydraulic pump and damper

POS.	DESCRIPTION	MATERIAL
0201		P 355 NL2 EN 10028-3
0202	SUPERIOR HEAD	P 355 NL2 EN 10028-3
0203	SHAFT	42CrMo4 EN 10083-3
0204	CYLINDER	E 355 EN 10297-1
0205	PISTON	S 355 J2G3 EN 10025-2
0209	STAY BOLT	42CrMo4 EN 10269
0232	FLANGE	S 355 J2G3 EN 10025-2
0242	FLANGE	42CrMo4 EN 10083-3
0601	INFERIOR HYDRAULIC HEAD	P 355 NL2 EN 10028-3
0602	SUPERIOR HYDRAULIC HEAD	P 355 NL2 EN 10028-3
0603	SHAFT	42CrMo4 EN 10083-3
0604	HYDRAULIC CYLINDER	E 355 EN 10297-1
0605	PISTON	S 355 J2G3 EN 10025-2
0609	STAY BOLT	42CrMo4 EN 10269
0653	CAP	C40 EN 10083-2
0811	PISTON DRIVE	PTFE+GRAPHITE
0819	PISTON DRIVE	PTFE+GRAPHITE
0901	BUSHING	BRONZE + PTFE
0951	BALL	ALLOY STEEL
0952	SPRING	51CrV4 EN 10089
0953	DOWEL	8.8 EN 20898-1

GASKET

POLYURETHANE

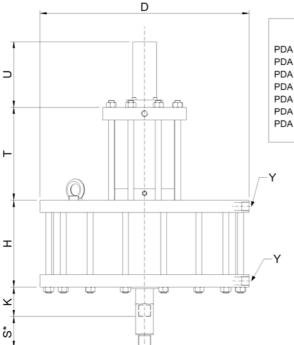
SILICON

VITON

DAMPER

N.B.R. FLUOROSILICONE

		AMB. TEMP
/4		LOW TEMP.
1195		HIGH TEMP.
0953		
0952	Ī	
0951	EXECUTION ACC	
	TO ATEX DIRECTIV	L 34/4/OL



OVERALL DIMENSIONS (mm)							
TYPE	ØD	Н	K	Т	U	Υ	
PDA PDH PDZ 420	555	145+S*	110	160+S*	40+S*	1/2" NPT	
PDA PDH PDZ 500	590	150+S*	120	160+S*	40+S*	1/2" NPT	
PDA PDH PDZ 520	640	165+S*	120	160+S*	40+S*	1/2" NPT	
PDA PDH PDZ 600	700	175+S*	120	160+S*	40+S*	1/2" NPT	
PDA PDH PDZ 620	745	180+S*	120	160+S*	40+S*	1/2" NPT	
PDA PDH PDZ 700	830	215+S*	140	170+S*	40+S*	3/4" NPT	
PDA PDH PDZ 800	930	240+S*	140	170+S*	40+S*	3/4" NPT	

ALL O-RING AND GASKET MATERIAL

O-RING

N.B.R.

SILICON

VITON

TEMP

-20 / +80

-40 / -60

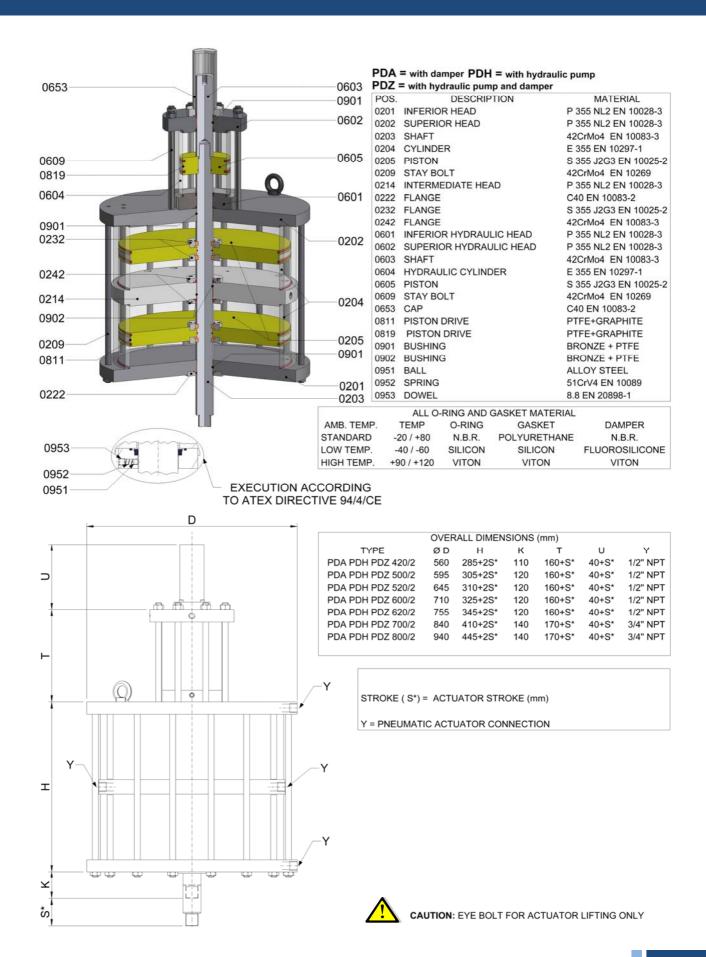
+90 / +120

STROKE (S*) = ACTUATOR STROKE (mm)

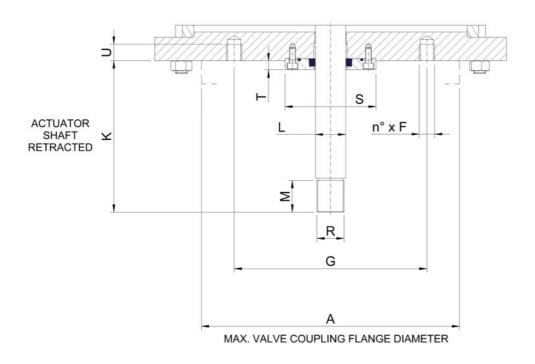
Y = PNEUMATIC ACTUATOR CONNECTION



Pneumatic Linear Actuator PDA/H/Z 420/2÷800/2



STANDARD ACTUATOR COUPLING FLANGE



CYLINDER TYPE	ØA	F	ØG	K	ØL	М	R	ØS	Т	U
125	-	4 x M 12	125	90	25	25	M 20	90	8	15
160	-	4 x M 16	165	90	25	25	M 20	90	8	15
200	-	4 x M 16	165	90	30	30	M 24	90	8	15
250	210	4 x M 16	165	90	30	35	M 27	90	8	15
300	210	4 x M 20	165	110	40	40	M 32 x 2	120	12	15
360	290	4 x M 20	254	110	40	45	M 36 x 2	120	12	15
420	290	4 x M 20	254	110	50	50	M 42 x 2	120	12	25
500	400	8 x M 20	356	120	50	55	M 48 x 2	120	12	25
520	400	8 x M 20	356	120	60	55	M 48 x 2	120	12	25
600	400	8 x M 20	356	120	60	60	M 52 x 2	120	12	25
620	400	8 x M 20	356	120	60	60	M 52 x 2	120	12	30
700	470	8 x M 30	406	140	70	65	M 58 x 2	150	12	35
800	470	8 x M 30	406	140	80	75	M 68 x 2	150	12	35
420/2	400	8 x M 20	356	110	60	60	M 52 X 2	120	12	25
500/2	400	8 x M 20	356	120	60	65	M 58 x 2	120	12	25
520/2	400	8 x M 20	356	120	70	65	M 58 x 2	150	12	25
600/2	470	8 x M 30	406	120	70	75	M 68 x 2	150	12	25
620/2	470	8 x M 30	406	120	70	75	M 68 x 2	150	12	30
700/2	560	8 x M 36	483	140	80	85	M 78 x 2	150	12	35
800/2	560	8 x M 36	483	140	90	85	M 78 x 2	150	19	35

CUSTOMIZED COUPLING FLANGE OR YOKE ACCORDING TO CUSTOMER REQUIREMENTS ON REQUEST