

Nano Mist

Simple. Convincing in the Details

There are innovations that bring selective improvements.

And then there are real innovations.

*Innovations that set **new** standards.*

*Like the **new Parker Moduflex Lite** series.*



New Nano Mist Technology, New Lubricator Concept. Self-Adjusting.

With conventional lubricators, only the oil volume per time unit can be adjusted. If the demand changes, the quantity dispensed still remains constant.

The Moduflex Lite lubricator concept sets new benchmarks here. For the first time, the oil volume is automatically adjusted to the flow rate.

This ensures that there is neither too little nor too much oil in the system, which leads to clear economic and ecological advantages. In addition, with conventional systems, the distance between the lubricator and the equipment has to be less than 8 meters. With larger distances, the dispensed oil is deposited as a wall flow.

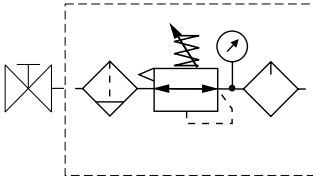
The new lubricator principle of the Moduflex Lite allows for distances of up to 40 meters. This opens up new scope for the design of even more efficient production systems.

Popular Combinations



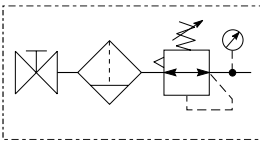
Slide Valve + Filter/Regulator + Lubricator Combinations (50mg/m³)
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Combined Manual/Semi-Auto Drain	Flow dm³/s	Weight (g)	Auto Drain	Flow dm³/s	Weight (g)
G ¹ / ₂	P3XAA14GECNGPNW	76	1300	P3XAA14GEANGPNW	76	1300
G ³ / ₄	P3XAA16GECNGPNW	77	1300	P3XAA16GEANGPNW	77	1300



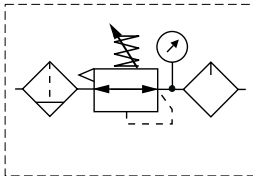
Slide Valve + Filter/Regulator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Combined Manual/Semi-Auto Drain	Flow dm³/s	Weight (g)	Auto Drain	Flow dm³/s	Weight (g)
G ¹ / ₂	P3XAN14GECNGW	105	950	P3XAN14GEANGW	105	950
G ³ / ₄	P3XAN16GECNGW	106	950	P3XAN16GEANGW	106	950



Filter/Regulator + Lubricator Combinations (50mg/m³)
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Combined Manual/Semi-Auto Drain	Flow dm³/s	Weight (g)	Auto Drain	Flow dm³/s	Weight (g)
G ¹ / ₂	P3XCA14GECNGPNW	76	1000	P3XCA14GEANGPNW	76	1000
G ³ / ₄	P3XCA16GECNGPNW	77	1000	P3XCA16GEANGPNW	77	1000



Options:

P 3 X

Filter/Reg + Lubricator	CA
Slide valve + Filter/Reg	AN
Slide valve + Filter/Reg + Lubricator	AA

BSPP (G)	1
NPT *	9

1/2	4
3/4	6

Non rise - Standard	N
Tamperproof - Lockable	A

Combined Manual/Semi Auto Drain	C
Auto Drain	A

0 - 8 bar with gauge	G
0 - 16 bar with gauge	J

(50mg/m³)	PN
(5mg/m³)	SN

Add only for options with lubricator

W

0 - 8 bar with gauge	G
0 - 16 bar with gauge	J

* NPT ports on request
1/2" size only

50mg/m³	PN
5mg/m³	SN

Add only for options with lubricator

- Integral 1/2 or 3/4 ports
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Secondary pressure ranges 4, 8 and 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Low temperature -40°C with Regulators/Filters and Filter Regulators using combined manual/semi auto drain as standard without pressure gauge.



Operating information

Working pressure:	Max 16 bar
Working temperature:	-40 °C to +60 °C

Flow characteristics

Flow dm ³ /s	1/2	3/4
Filter	55	57
Coalescing Filter	24	24
Adsorber Filter	18	18
Regulator	122	134
Filter Regulator	111	113
Lubricator	78	78

Filters - 5 micron element

Port size	Description	Order Code
G1/2	Manual drain/Semi auto	P3XFA14EGCN
G1/2	Auto drain	P3XFA14EGAN
G3/4	Manual drain / Semi auto	P3XFA16EGCN
G3/4	Auto drain	P3XFA16EGAN
	Mounting bracket	P3XKA00MW

Coalescing Filters - 0.01 micron element

Port size	Description	Order Code
G1/2	Coalescing 0.01µm, manual/semi auto drain	P3XFA14DGCN
G1/2	Coalescing Filter 0.01µm, auto drain	P3XFA14DGAN
G3/4	Coalescing 0.01µm, manual/semi auto drain	P3XFA16DGCN
G3/4	Coalescing Filter 0.01µm, auto drain	P3XFA16DGAN

Regulators - 4 & 8 bar - non relieving options available

Port size	Description	Order Code
G1/2	8 bar relieving	P3XRA14BNNN
G1/2	8 bar relieving + gauge	P3XRA14BNGN
G3/4	8 bar relieving	P3XRA16BNNN
G3/4	8 bar relieving + gauge	P3XRA16BNGN
G1/2	8 bar relieving, tamperproof	P3XRA14BANN
G1/2	8 bar relieving, tamperproof + gauge	P3XRA14BAGN
G3/4	8 bar relieving, tamperproof	P3XRA16BANN
G3/4	8 bar relieving, tamperproof + gauge	P3XRA16BAGN
G1/2	Air-pilot regulator	P3XRA14BPPN
G3/4	Air-pilot regulator	P3XRA16BPPN

Adsorber Filters

Port size	Description	Order Code
G1/2	Adsorber, manual/semi auto drain	P3XFA14AGCN
G3/4	Adsorber, manual/semi auto drain	P3XFA16AGCN

Filter/Regulators

4 and 16 bar, non relieving options available

Port size	Description	Order Code
G1/2	8 bar, relieving manual/semi auto drain	P3XEA14EGCBNNN
G1/2	8 bar, relieving auto drain	P3XEA14EGABNNN
G1/2	8 bar, relieving manual/semi auto + gauge	P3XEA14EGCBNGN
G1/2	8 bar, relieving auto drain + gauge	P3XEA14EGABNGN
G3/4	8 bar, relieving manual/semi auto drain	P3XEA16EGCBNNN
G3/4	8 bar, relieving auto drain	P3XEA16EGABNNN
G3/4	8 bar, relieving manual/semi auto + gauge	P3XEA16EGCBNGN
G3/4	8 bar, relieving auto drain + gauge	P3XEA16EGABNGN

Lubricators

Port size	Description	Order Code
G1/2	Oil mist, fill under pressure (50mg/m ³)	P3XLA14PGNN
G3/4	Oil mist, fill under pressure (50mg/m ³)	P3XLA16PGNN
G1/2	Oil mist, fill under pressure (5mg/m ³)	P3XLA14SGNN
G3/4	Oil mist, fill under pressure (5mg/m ³)	P3XLA16SGNN
	Lubricator OIL VG15:ISO3448 - 100ml	P3XKA00PPA
	Lubricator OIL VG32-1 Litre	P3YKA00PPBB

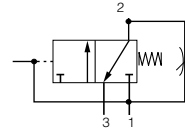
Pressure Gauges

	Order Code
0 - 10 bar	KG8012-00
0 - 16 bar	KG8013-00

Dump Valve & Combined Soft Start Dump Valve



Symbols



- Modular design with 1/2" & 3/4" integral ports (BSPP or NPT)
- Provides for the safe introduction of pressure
- Automatically dumps downstream pressure on the loss of pilot signal
- Adjustable slow start
- Solenoid or air pilot options
- High flow & exhaust capability

P3X Series Combined Soft Start/Dump Valves, provide for the safe introduction of pressure to machines or systems. Soft Start/Dump Valves when set, allow the pressure to gradually build to the set point before fully opening to deliver full flow at line pressure.

The controlled introduction of pressure can be an important safety factor and prevent damage to tooling when air pressure is introduced at machine or system start up.

Options:

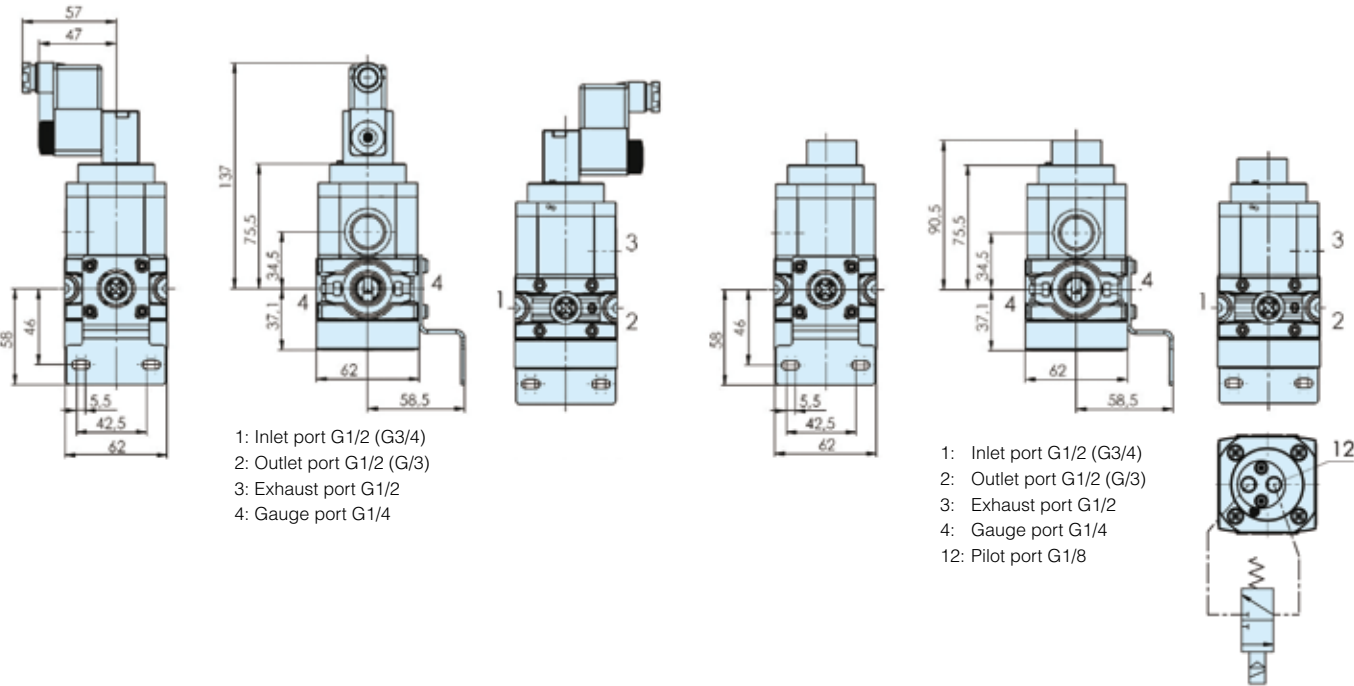
P 3 X		A				N		Solenoid type only	
Combined soft start dump valve	T	External air pilot	P			None (operator is fitted to valve)	0	Solenoid / coil not fitted	000
Dump valve	D	Solenoid pilot	S			30mm CNOMO coil (Form connection)	A	24V DC	2CN
						22mm coil (Form connection)	B		
BSPP (G)	1	1/2	4	30mm operator	C	30mm CNOMO coil (M12 connection)	D		
NPT *	9	3/4	6	Threaded air pilot	P	22mm coil (M12 connection)	E		

* NPT Ports on request 1/2" size only

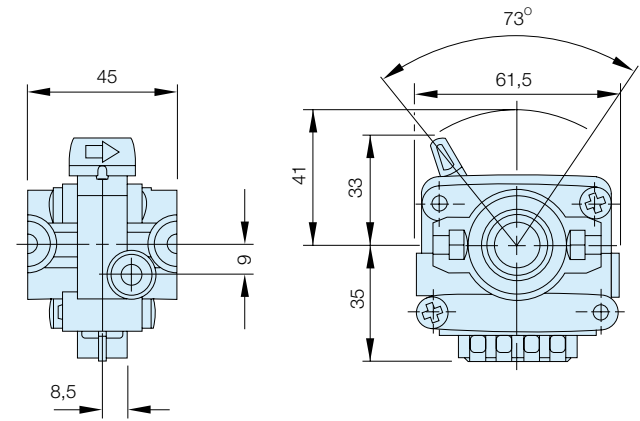
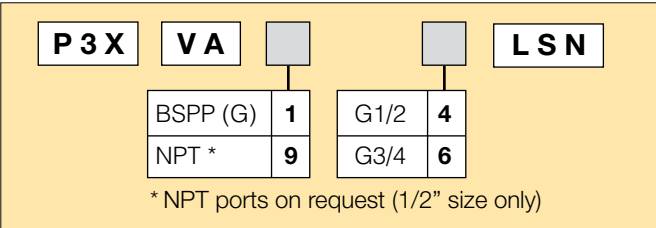
Combined soft start dump valve

Port size	Description	Order Code	Flow dm ³ /s	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight kg
1/2	Solenoid operated (not included)	P3XTA14SCN0000	80	16	-10	60	144	62	62	0.75
1/2	24VDC 22mm coil	P3XTA14SCNB2CN	80	10	-10	60	174	88	62	0.75
1/2	24VDC 30mm coil	P3XTA14SCNA2CN	80	16	-10	60	174	88	62	0.75
1/2	Air pilot operated	P3XTA14PPN	80	16	-10	60	127.5	62	62	0.75
3/4	Solenoid operated (not included)	P3XTA16SCN0000	88	16	-10	60	144	62	62	0.75
3/4	24VDC 22mm coil	P3XTA16SCNB2CN	88	10	-10	60	174	88	62	0.75
3/4	24VDC 30mm coil	P3XTA16SCNA2CN	88	16	-10	60	174	88	62	0.75
3/4	Air pilot operated	P3XTA16PPN	88	16	-10	60	127.5	62	62	0.75

Dimensions (mm)

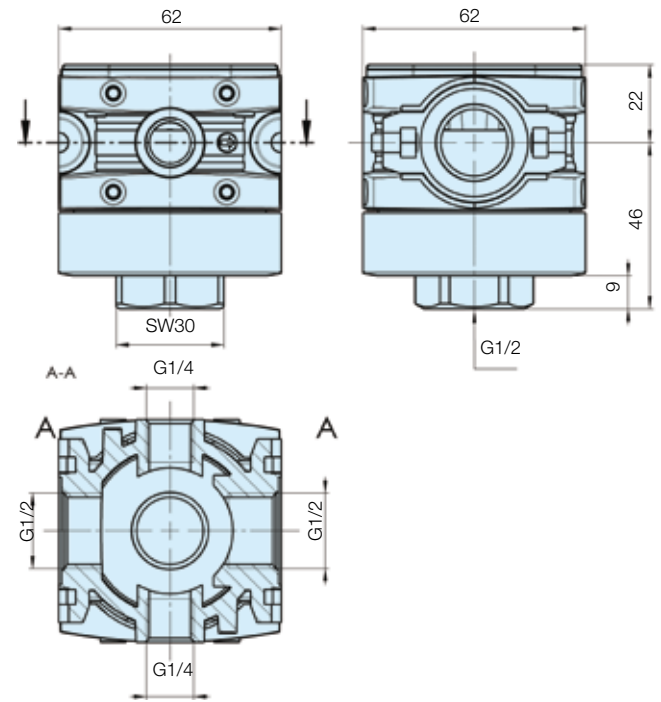


Modular Slide Valve



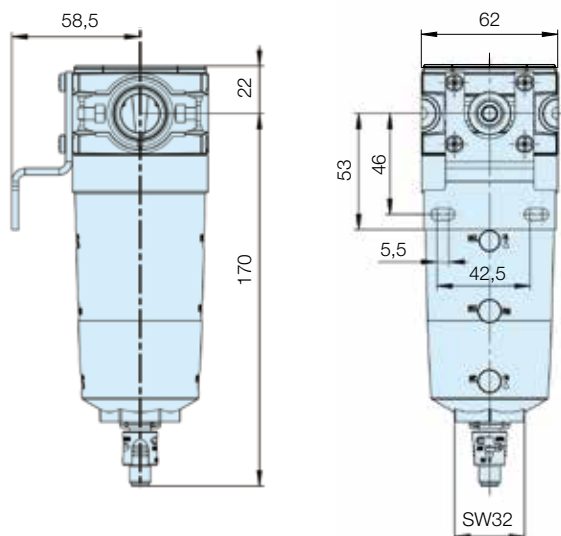
Modular Manifold

Description	Order code BSPP	Order code NPT	Weight (g)
G1/2"	P3XMA1V0N	P3XMA9V0N	170
G3/4"	P3XMA160N		170

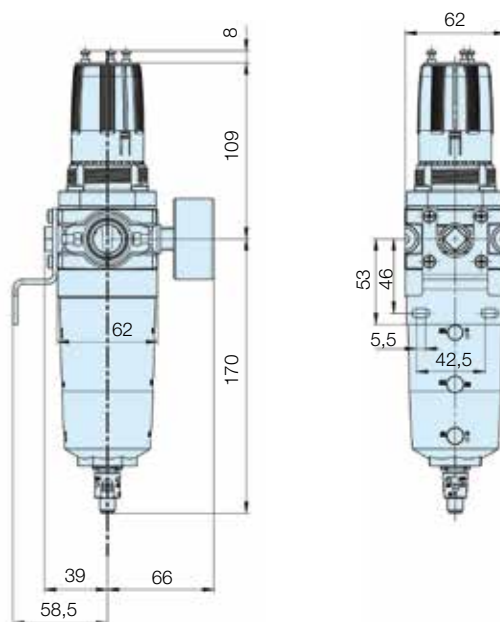


Dimensions (mm)

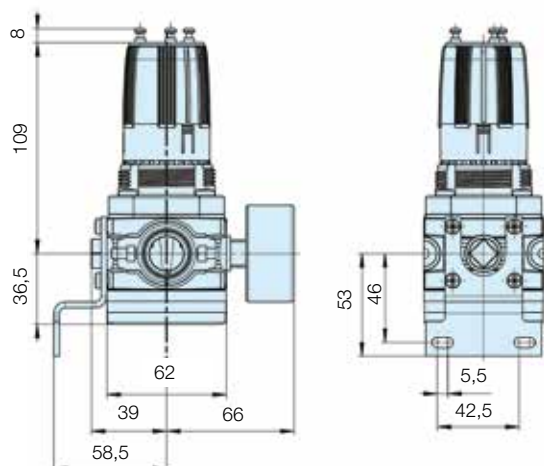
Filters



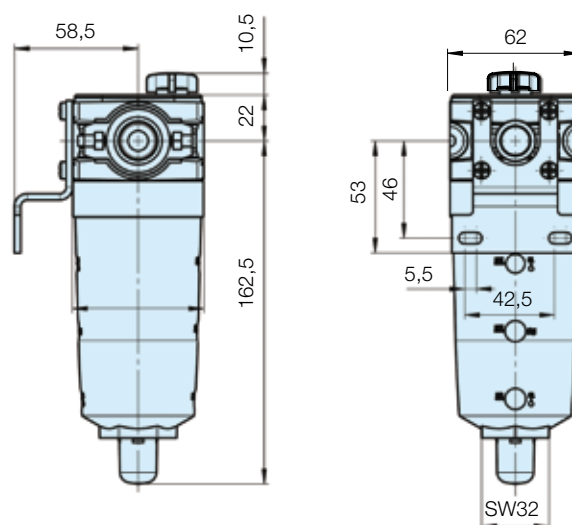
Filter/Regulators



Regulators



Lubricators



Service kits

Description	Order code
Adsorber element kit	P3XKA00ESA
0.01 micron element kit	P3XKA00ESC
1 micron element kit	P3XKA00ES9
5 micron element kit	P3XKA00ESE
40 micron element kit	P3XKA00ESG
Bowl kit with combined manual/semi auto drain	P3XKA00BSC
Bowl kit with auto drain	P3XKA00BSA
Diaphragm kit (relieving type)	P3XKA00RR
Diaphragm kit (non-relieving type)	P3XKA00RN
Connecting kit	P3XKA00CB

Accessories

Description	Order code
Connector kit	P3XKA00CB
Connector O'ring kit (5)	P3XKA04CY
Tamper-proof knob kit (keylock)	P3XKA00AS
Wall bracket kit	P3XKA00MW
Panel mount nut	P3XKA00MM