

Global Air Preparation System

A Completely Modular System



Filters - 5 micron element

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	Poly bowl - manual drain	P31FB12EGMN	P32FB12EGMN	
1/4	Poly bowl - pulse drain	P31FB12EGBN		
1/4	Poly bowl - auto drain		P32FB12EGAN	
1/4	Metal bowl - manual drain	P31FB12EMMN	P32FB12ESMN	
1/4	Metal bowl - pulse drain	P31FB12EMBN		
1/4	Metal bowl - auto drain		P32FB12ESAN	
3/8	Poly bowl - manual drain		P32FB13EGMN	
3/8	Poly bowl - auto drain		P32FB13EGAN	
3/8	Metal bowl - manual drain		P32FB13ESMN	
3/8	Metal bowl - auto drain		P32FB13ESAN	
1/2	Poly bowl - manual drain		P32FB14EGMN	P33FA14EGMN
1/2	Poly bowl - auto drain		P32FB14EGAN	P33FA14EGAN
1/2	Metal bowl - manual drain		P32FB14ESMN	P33FA14ESMN
1/2	Metal bowl - auto drain		P32FB14ESAN	P33FA14ESAN
3/4	Poly bowl - manual drain			P33FA16EGMN
3/4	Poly bowl - auto drain			P33FA16EGAN
3/4	Metal bowl - manual drain			P33FA16ESMN
3/4	Metal bowl - auto drain			P33FA16ESAN

Coalescing Filters - 0.01 micron element

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	Poly bowl - manual drain	P31FB12DGMN	P32FB12DGMN	
1/4	Poly bowl - pulse drain	P31FB12DGBN		
1/4	Poly bowl - auto drain		P32FB12DGAN	
1/4	Metal bowl - manual drain	P31FB12DMMN	P32FB12DSMN	
1/4	Metal bowl - pulse drain	P31FB12DMBN		
1/4	Metal bowl - auto drain		P32FB12DSAN	
3/8	Poly bowl - manual drain		P32FB13DGMN	
3/8	Poly bowl - auto drain		P32FB13DGAN	
3/8	Metal bowl - manual drain		P32FB13DSMN	
3/8	Metal bowl - auto drain		P32FB13DSAN	
1/2	Poly bowl - manual drain		P32FB14DGMN	P33FA14DGMN
1/2	Poly bowl - auto drain		P32FB14DGAN	P33FA14DGAN
1/2	Metal bowl - manual drain		P32FB14DSMN	P33FA14DSMN
1/2	Metal bowl - auto drain		P32FB14DSAN	P33FA14DSAN
3/4	Poly bowl - manual drain			P33FA16DGMN
3/4	Poly bowl - auto drain			P33FA16DGAN
3/4	Metal bowl - manual drain			P33FA16DSMN
3/4	Metal bowl - auto drain			P33FA16DSAN

Adsorber Filters

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	Poly bowl - manual drain	P31FB12AGMN	P32FB12AGMN	
1/4	Metal bowl - manual drain	P31FB12AMMN	P32FB12ASMN	
3/8	Poly bowl - manual drain		P32FB13AGMN	
3/8	Metal bowl - manual drain		P32FB13ASMN	
1/2	Poly bowl - manual drain		P32FB14AGMN	P33FA14AGMN
1/2	Metal bowl - manual drain		P32FB14ASMN	P33FA14ASMN
3/4	Poly bowl - manual drain			P33FA16AGMN
3/4	Metal bowl - manual drain			P33FA16ASMN

Regulators

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	125 psi relieving	P31RB12BNNP	P32RB12BNNP	
1/4	125 psi relieving + gauge	P31RB12BNTP	P32RB12BNGP	
3/8	125 psi relieving		P32RB13BNNP	
3/8	125 psi relieving + gauge		P32RB13BNGP	
1/2	125 psi relieving		P3KRB14BNNP	P33RA14BNNP
1/2	125 psi relieving + gauge		P3KRB14BNTP	P33RA14BNGP
3/4	125 psi relieving			P33RA16BNNP
3/4	125 psi relieving + gauge			P33RA16BNGP

Lubricators

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	Poly bowl - no drain	P31LB12LGNM	P32LB12LGNM	
1/4	Metal bowl - no drain	P31LB12LMNM	P32LB12LSNM	
3/8	Poly bowl - no drain		P32LB13LGNM	
3/8	Metal bowl - no drain		P32LB13LSNM	
1/2	Poly bowl - no drain		P32LB14LGNM	P33LA14LGNM
1/2	Metal bowl - no drain		P32LB14LSNM	P33LA14LSNM
3/4	Poly bowl - no drain			P33LA16LGNM
3/4	Metal bowl - no drain			P33LA16LSNM

- Lightweight aluminum construction
- Compact product dimensions
- Body ported as standard
- Modular connection system
- Easy maintenance
- Global availability

Operating information

Maximum supply pressure: 10 bar (150 psi) - Plastic bowl
17 bar (250 psi) - Metal bowl

Operating temperature: 52°C (125°F) - Plastic bowl
65°C (150°F) - Metal bowl

Flow:	P31 Series	P32 Series	P33 Series
	1/4	3/8	1/2
Filter	12 dm ³ /s (25 scfm)	18 dm ³ /s (38 scfm)	30 dm ³ /s (64 scfm)
Regulator	30 dm ³ /s (64 scfm)	41 dm ³ /s (87 scfm)	67 dm ³ /s (142 scfm)
Filter / Regulator	14 dm ³ /s (30 scfm)	42 dm ³ /s (89 scfm)	64 dm ³ /s (136 scfm)
Lubricator	13 dm ³ /s (28 scfm)	18 dm ³ /s (38 scfm)	32 dm ³ /s (66 scfm)



Proportional technology available on request.

All products are NPT ported, BSPP and BSPT versions are also available

Port sizes:



Manifold Block

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	2 auxiliary air ports	P31MA12022N		
3/4	2 auxiliary air ports		P32MA14024N	P33MA16024N

Modular Ball Valves

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	90° turn handle	P31VB12LBNN		
3/8	90° turn handle		P32VB13LBNN	
1/2	90° turn handle		P32VB14LBNN	
1/2	90° turn handle			P33VB14LBNN
3/4	90° turn handle			P33VB16LBNN

Combined Soft Start / Dump Valves

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	120VAC Solenoid + cable plug	P31TA12SGN0000		
1/4	24VDC Solenoid + cable plug	P31TA12SGNC2CN		
1/4	Air pilot operated	P31TA12PPN		
1/2	120VAC Solenoid + cable plug		P32TA14SCN0000	P32TA14SCN0000
1/2	24VDC Solenoid + cable plug		P32TA14SCNA2CN	P32TA14SCNA2CN
1/2	Air pilot operated		P32TA14PPN	P32TA14PPN

Dump Valves

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	120VAC Solenoid + cable plug	P31DA12SGN0000		
1/4	24VDC Solenoid + cable plug	P31DA12SGNC2CN		
1/4	Air pilot operated	P31DA12PPN		
1/2	120VAC Solenoid + cable plug		P32DA14SCN0000	P32DA14SCN0000
1/2	24VDC Solenoid + cable plug		P32DA14SCNA2CN	P32DA14SCNA2CN
1/2	Air pilot operated		P32DA14PPN	P32DA14PPN

Options and Accessories

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
	T-bracket + body connector	P31KA00MT	P32KA00MT	P33KA00MT
	Body connector	P31KA00CB	P32KA00CB	P33KA00CB
1/4	Port block kit	P31KA12CP	P32KA12CP	P33KA12CP
3/8	Port block kit	P32KA13CP	P32KA13CP	P33KA13CP
1/2	Port block kit		P32KA14CP	P33KA14CP
3/4	Port block kit		P32KA16CP	P33KA16CP
	Angle bracket (Regs & F/R)	P31KB00MR	P32KB00MR	P33KA00MR
	C-bracket (Filters & lubricators)	P31KA00MW		
	L-bracket (Filters & lubricators)		P32KA00ML	P33KA00ML
	T-bracket (Fits body connector or port block)		P32KA00MB	P33KA00MB
	Panel mounting nut (Aluminum)	P31KA00MM	P32KA00MM	P33KA00MM
	Regulator & filter / regulator tamperproof kit (Padlock not included)	P31KB00AL	P32KB00AL	
	Tamperproof knob kit	P31KB00AT	P32KB00AT	

Filter / Regulators - 8 bar, self relieving

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	Poly bowl - Manual drain	P31EB12EGMBNTP	P32EB12EGMBNGP	
1/4	Poly bowl - Pulse drain	P31EB12EGBBNTP		
1/4	Poly bowl - Auto drain		P32EB12EGABNGP	
1/4	Metal bowl - Manual drain	P31EB12EMMBNTP	P32EB12ESMBNGP	
1/4	Metal bowl - Pulse drain	P31EB12EMBBNTP		
1/4	Metal bowl - Auto drain		P32EB12ESABNGP	
3/8	Poly bowl - Manual drain		P32EB13EGMBNGP	
3/8	Poly bowl - Auto drain		P32EB13EGABNGP	
3/8	Metal bowl - Manual drain		P32EB13ESMBNGP	
3/8	Metal bowl - Auto drain		P32EB13ESABNGP	
1/2	Poly bowl - Manual drain		P32EB14EGMBNGP	P33EA14EGMBNGP
1/2	Poly bowl - Auto drain		P32EB14EGABNGP	P33EA14EGABNGP
1/2	Metal bowl - Manual drain		P32EB14ESMBNGP	P33EA14ESMBNGP
1/2	Metal bowl - Auto drain		P32EB14ESABNGP	P33EA14ESABNGP
3/4	Poly bowl - Manual drain			P33EA16EGMBNGP
3/4	Poly bowl - Auto drain			P33EA16EGABNGP
3/4	Metal bowl - Manual drain			P33EA16ESMBNGP
3/4	Metal bowl - Auto drain			P33EA16ESABNGP

Popular Combinations

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
Filter / Regulator + Lubricator				
1/4	Poly bowl - Manual drain	P31CA12GEMNTLNW	P32CA12GEMNGLNW	
1/4	Poly bowl - Pulse drain	P31CA12GEBNTLNW		
1/4	Poly bowl - Auto drain		P32CA12GEANGLNW	
3/8	Poly bowl - Manual drain		P32CA13GEMNGLNW	
3/8	Poly bowl - Auto drain		P32CA13GEANGLNW	
1/2	Poly bowl - Manual drain		P32CA14GEMNGLNW	P33CA14GEMNGLNW
1/2	Poly bowl - Auto drain		P32CA14GEANGLNW	P33CA14GEANGLNW
3/4	Poly bowl - Manual drain			P33CA16GEMNGLNW
3/4	Poly bowl - Auto drain			P33CA16GEANGLNW
Filter + Regulator + Lubricator				
1/4	Poly bowl - Manual drain	P31CB12GEMNTLNW	P32CB12GEMNGLNW	
1/4	Poly bowl - Pulse drain	P31CB12GEBNTLNW		
1/4	Poly bowl - Auto drain		P32CB12GEANGLNW	
3/8	Poly bowl - Manual drain		P32CB13GEMNGLNW	
3/8	Poly bowl - Auto drain		P32CB13GEANGLNW	
1/2	Poly bowl - Manual drain		P32CB14GEMNGLNW	P33CB14GEMNGLNW
1/2	Poly bowl - Auto drain		P32CB14GEANGLNW	P33CB14GEANGLNW
3/4	Poly bowl - Manual drain			P33CB16GEMNGLNW
3/4	Poly bowl - Auto drain			P33CB16GEANGLNW
Ball Valve + Filter / Regulator + Lubricator				
1/4	Poly bowl - Manual drain	P31QA12GEMNTLNW		
1/4	Poly bowl - Pulse drain	P31QA12GEBNTLNW		
3/8	Poly bowl - Manual drain		P32QA13GEMNGLNW	
3/8	Poly bowl - Auto drain		P32QA13GEANGLNW	
1/2	Poly bowl - Manual drain		P32QA14GEMNGLNW	P33QA14GEMNGLNW
1/2	Poly bowl - Auto drain		P32QA14GEANGLNW	P33QA14GEANGLNW
3/4	Poly bowl - Manual drain			P33QA16GEMNGLNW
3/4	Poly bowl - Auto drain			P33QA16GEANGLNW

All combination sets include: pressure gauge and mounting brackets. Other combinations available on request.

Soft Start Valves

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
1/4	120VAC Solenoid + cable plug	P31SA12SGN0000		
1/4	24VDC Solenoid + cable plug	P31SA12SGNC2CN		
1/4	Air pilot operated	P31SA12PPN		
1/2	120VAC Solenoid + cable plug		P32SA14SCN0000	P32SA14SCN0000
1/2	24VDC (30mm coil & cable plug)		P32SA14SCNA2CN	P32SA14SCNA2CN
1/2	Internal air pilot operated		P32SA14Y0N	P32SA14Y0N
1/2	External air pilot (1/8 threaded)		P32SA14PPN	P32SA14PPN

Gauges

Port size	Description	P31 Series	Order Code P32 Series	P33 Series
	0-4 bar	P6G-PR11040	P6G-PR11040	
	0-11 bar	P6G-PR11110	P6G-PR11110	
	0-60 psig	P6G-PR11P06	P6G-PR11P06	
	0-150 psi	P6G-PR11P15	P6G-PR11P15	
	Flush gauge (0-60 psi)	K4511SCR060		
	Flush gauge (0-150 psi)	K4511SCR150		
1/8	0-30 psi (0 to 2 bar)	P3D-KAB1AYN		
1/8	0-60 psi (0 to 4 bar)	P3D-KAB1ALN		
1/8	0-160 psi (0 to 11 bar)	P3D-KAB1ANN		
1/4	0-60 psi (0 to 4 bar)		P6G-ERB2040	P6G-ERB2040
1/4	0-160 psi (0 to 11 bar)		P6G-ERB2110	P6G-ERB2110
1/4	0-300 psi (0 to 20 bar)		P6G-ERB2200	P6G-ERB2200