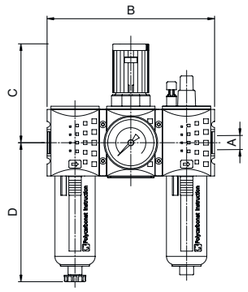
Futura series

The Futura series: the future is built in!

Innovative, compact and highly efficient, the Futura series is an absolute technical highlight. The modular structure of the patented system and the innovative material concept (Grivory GV 6H with 60% glass fibre content; sturdier, lighter, firmer and more economical than metal) offer absolute flexibility with guaranteed functional reliability.

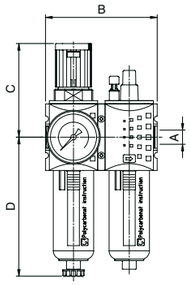
DE GB

SERVICE 3 UNIT WITH GAUGE



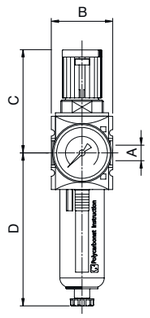
Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KS3U-014	G 1/4	optional NPT-thread (except for size 0)	129	63	105	500
1	KS3U-114	G 1/4		156	95.5	129.5	1700
1	KS3U-138	G 3/8		156	95.5	129.5	1700
2	KS3U-238	G 3/8		189	110	147	3500
2	KS3U-212	G 1/2		189	110	147	3500
4	KS3U-434	G 3/4		255	137	192	12000
4	KS3U-41	G 1		255	137	192	12000

SERVICE 2 UNIT WITH GAUGE



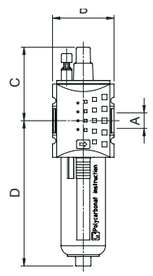
Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KS2U-014	G 1/4	optional NPT-thread (except for size 0)	86	63	105	600
1	KS2U-114	G 1/4		104	95.5	129.5	1700
1	KS2U-138	G 3/8		104	95.5	129.5	1700
2	KS2U-238	G 3/8		126	110	147	3500
2	KS2U-212	G 1/2		126	110	147	3500
4	KS2U-434	G 3/4		170	137	192	12000
4	KS2U-41	G 1		170	137	192	12000

FILTER REGULATOR WITH GAUGE



Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KFRG-014	G 1/4	optional NPT-thread (except for size 0)	43	63	105	1000
1	KFRG-114	G 1/4		52	95.5	129.5	2200
1	KFRG-138	G 3/8		52	95.5	129.5	2600
2	KFRG-238	G 3/8		63	110	147	4300
2	KFRG-212	G 1/2		63	110	147	5200
4	KFRG-434	G 3/4		85	137	192	14000
4	KFRG-41	G 1		85	137	192	14000

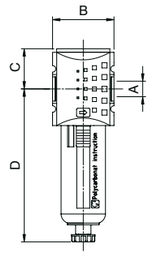
LUBRICATOR



Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KLUB-014	G 1/4	optional NPT-thread (except for size 0)	43	58	98	1400
1	KLUB-114	G 1/4		52	62.2	123	2800
1	KLUB-138	G 3/8		52	62.2	123	2800
2	KLUB-238	G 3/8		63	69.7	137.5	8000
2	KLUB-212	G 1/2		63	69.7	137.5	8000
4	KLUB-434	G 3/4		85	87.9	182.8	13000
4	KLUB-41	G 1		85	87.9	182.8	13000

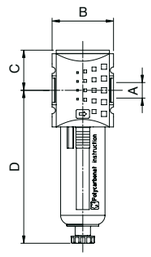
1) p_1 = 10 bar; p_2 = 6.3 bar

FILTER 5 µm



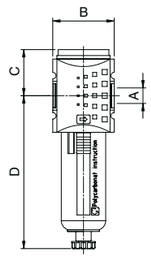
Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KFIL-014	G 1/4	optional NPT-thread (except for size 0)	43	27	105	950
1	KFIL-114	G 1/4		52	34	130	2200
1	KFIL-138	G 3/8		52	34	130	2400
2	KFIL-238	G 3/8		63	42.5	147	3500
2	KFIL-212	G 1/2		63	42.5	147	3500
4	KFIL-434	G 3/4		85	58	192	8000
4	KFIL-41	G 1		85	58	192	8200

PREFILTER 0.3 µm



Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KPFI-014	G 1/4	optional NPT-thread (except for size 0)	43	27	105	350[2]
1	KPFI-114	G 1/4		52	34	128.5	500
1	KPFI-138	G 3/8		52	34	128.5	500
2	KPFI-238	G 3/8		63	42.5	147	580
2	KPFI-212	G 1/2		63	42.5	147	580
4	KPFI-434	G 3/4		85	63	192	1500
4	KPFI-41	G 1		85	63	192	1500

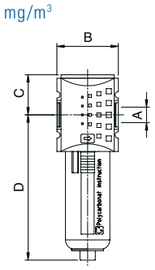
FINEFILTER 0.01 µm, REMAINING OIL CONTENT < 0.01 mg/m³



Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KCFI-014	G 1/4	optional NPT-thread (except for size 0)	43	27	105	350[3]
1	KCFI-114	G 1/4		52	38	130.5	350
1	KCFI-138	G 3/8		52	38	130.5	350
2	KCFI-238	G 3/8		63	48	147	500
2	KCFI-212	G 1/2		63	48	147	500
4	KCFI-434	G 3/4		85	63	192	1500
4	KCFI-41	G 1		85	63	192	1500

ACTIVATED-CARBON FILTER[1]

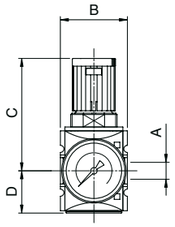
REMAINING OIL CONTENT < 0.005 mg/m³



Size	Type	Connection A		Dimensions in mm A	B	C	Flow rate[1] l/min
0	KAFI-014	G 1/4	optional NPT-thread (except for size 0)	43	27	98	600[4]
1	KAFI-114	G 1/4		52	34	124	650
1	KAFI-138	G 3/8		52	34	124	650
2	KAFI-238	G 3/8		63	43	141	1300
2	KAFI-212	G 1/2		63	43	141	1300
4	KAFI-434	G 3/4		85	58	184	2000
4	KAFI-41	G 1		85	58	184	2000

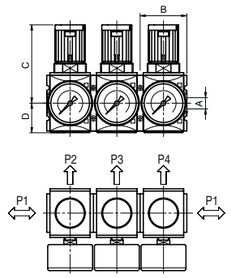
1) p_1 = 6 bar 2) KPFI at p_1 = 6 bar and pressure drop Δ p = 0.02 bar 3) KCFI at p_1 = 6 bar and pressure drop Δ p = 0.09 bar 4) KAFI at p_1 = 6 bar and pressure drop Δ p = 0.2 bar

REGULATOR
WITH GAUGE



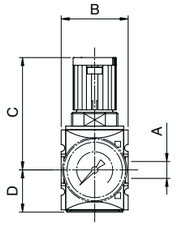
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KREG-014	G 1/4	optional NPT-thread (except for size 0)	43	63	25	1000
1	KREG-114	G 1/4		52	95.5	33	2200
1	KREG-138	G 3/8		52	95.5	33	2600
2	KREG-238	G 3/8		63	110	39.5	4300
2	KREG-212	G 1/2		63	110	39.5	5100
4	KREG-434	G 3/4		85	137	54	14000
4	KREG-41	G 1		85	137	54	14000

REGULATOR
WITH CONTINUOUS PRESSURE SUPPLY



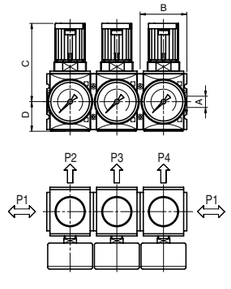
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KRBE-014	G 1/4	optional NPT-thread (except for size 0)	43	68	25	1000
1	KRBE-114	G 1/4		52	95.5	32.5	2200
1	KRBE-138	G 3/8		52	95.5	32.5	2600
2	KRBE-238	G 3/8		63	110	39.5	4300
2	KRBE-212	G 1/2		63	110	39.5	5000

PRECISION REGULATOR



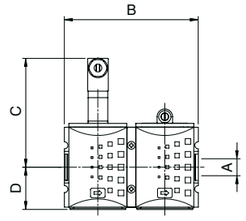
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
1	KPRG-114	G 1/4	optional NPT-thread	52	95.5	33	2200
1	KPRG-138	G 3/8		52	95.5	33	2700
2	KPRG-238	G 3/8		63	110	39.5	4300
2	KPRG-212	G 1/2		63	110	39.5	5000

PRECISION REGULATOR
WITH CONTINUOUS PRESSURE SUPPLY



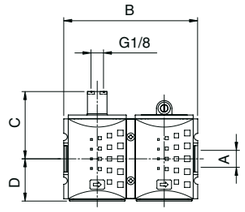
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
1	KPRB-114	G 1/4	optional NPT-thread	52	95.5	32.5	2200
1	KPRB-138	G 3/8		52	95.5	32.5	2700
2	KPRG-238	G 3/8		63	110	39.5	4300
2	KPRG-212	G 1/2		63	110	39.5	5000

FILLING UNIT ELECTRIC CONTROL



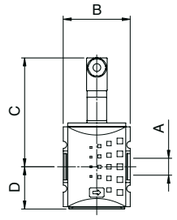
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	K2SA-014	G 1/4	optional NPT-thread (except for size 0)	86	93	37	1300
1	K2SA-114	G 1/4		104	84.5	33	1300
1	K2SA-138	G 3/8		104	84.5	33	1300
2	K2SA-238	G 3/8		126	93.5	56.5	3400
2	K2SA-212	G 1/2		126	93.5	56.5	3400
4	K2SA-434	G 3/4		170	110.9	67	4200
4	K2SA-41	G 1		170	110.9	67	4200

FILLING UNIT PNEUMATIC CONTROL



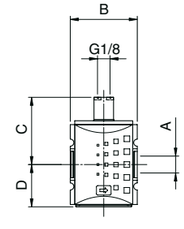
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	K2SA-014I	G 1/4	optional NPT-thread (except for size 0)	86	60	37	1300
1	K2SA-114I	G 1/4		104	52	33	1800
1	K2SA-138I	G 3/8		104	52	33	1800
2	K2SA-238I	G 3/8		126	60.8	56.5	3400
2	K2SA-212I	G 1/2		126	60.8	56.5	3400
4	K2SA-434I	G 3/4		170	78.2	67	4200
4	K2SA-41I	G 1		170	78.2	67	4200

3/2 DIRECTIONAL-CONTROL VALVE ELECTRIC CONTROL



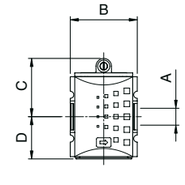
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KSOV-014	G 1/4	optional NPT-thread (except for size 0)	43	93	36.6	2000
1	KSOV-114	G 1/4		52	84.5	32.8	2000
1	KSOV-138	G 3/8		52	84.5	32.8	2000
2	KSOV-238	G 3/8		63	93.5	56.5	4300
2	KSOV-212	G 1/2		63	93.5	56.5	4300
4	KSOV-434	G 3/4		85	110.9	102.3	12500
4	KSOV-41	G 1		85	110.9	102.3	12500

3/2 DIRECTIONAL-CONTROL VALVE PNEUMATIC CONTROL



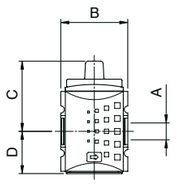
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KSOV-014I	G 1/4	optional NPT-thread (except for size 0)	43	60.1	36.62	2000
1	KSOV-114I	G 1/4		52	52	33	2000
1	KSOV-138I	G 3/8		52	52	33	2000
2	KSOV-238I	G 3/8		63	60.8	56.5	4300
2	KSOV-212I	G 1/2		63	60.8	56.5	4300
4	KSOV-434I	G 3/4		85	78.2	67	12500
4	KSOV-41I	G 1		85	78.2	67	12500

STARTING VALVE ADJUSTABLE FILLING



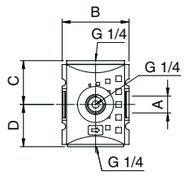
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KSSV-014	G 1/4	optional NPT-thread (except for size 0)	48	53	28	2000
1	KSSV-114	G 1/4		52	45	33	1900
1	KSSV-138	G 3/8		52	45	33	1900
2	KSSV-238	G 3/8		63	53.5	58	4400
2	KSSV-212	G 1/2		63	53.5	58	4400
4	KSSV-434	G 3/4		85	58.2	54	10000
4	KSSV-41	G 1		85	58.2	54	10000

BALL VALVE LOCKABLE WITH PADLOCK



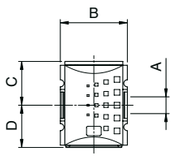
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KBAV-014	G 1/4	optional NPT-thread (except for size 0)	43	51	25	2600
1	KBAV-114	G 1/4		52	54,3	33	1900
1	KBAV-138	G 3/8		52	54,3	33	1900
2	KBAM-238	G 3/8		63	70.5	56.5	5000
2	KBAM-212	G 1/2		63	70.5	56.5	5000
4	KBAM-434	G 3/4		85	93.7	51	14000
4	KBAM-41	G 1		85	93.7	51	14000

T-DISTRIBUTOR [1]



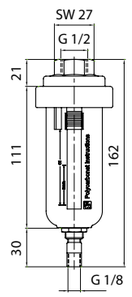
Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KDIS-014	G 1/4	optional NPT-thread (except for size 0)	43	28,5	25	2700
1	KDIS-114	G 1/4		52	34.5	31	2700
1	KDIS-138	G 3/8		52	34.5	31	3600
2	KDIS-238	G 3/8		63	43	37.5	7250
2	KDIS-212	G 1/2		63	43	37.5	7250
4	KDIS-434	G 3/4		85	58.5	51	18000
4	KDIS-41	G 1		85	58.5	51	18000

NON-RETURN VALVE



Size	Type	Connection A		Dimensions in mm B	C	D	Flow rate l/min
0	KREV-014	G 1/4	optional NPT-thread (except for size 0)	43	27	39	800
1	KREV-114	G 1/4		52	34	33	1250
1	KREV-138	G 3/8		52	34	33	1250
2	KREV-238	G 3/8		63	43	37.5	4500
2	KREV-212	G 1/2		63	43	37.5	4500

CONDENSATE DRAIN



3	KA-212 AM	G 1/2					

1) P/E-transformer mountable

ACCESSORIES SERIES 0, 1, 2, 4

Spring BG0

Type C.11-78 0.2 – 4 bar
Type C.11-86 0.5 – 8 bar
Type C.11-83 0.5 – 10 bar

Spring BG1

Type FED.1-700 0.1 – 1 bar
Type FED.1-701 0.1 – 2 bar
Type FED.1-702 0.2 – 4 bar
Type FED.1-703 0.5 – 8 bar
Type FED.1-704 0.5 – 10 bar
Type FED.1-705 0.5 – 16 bar

Spring BG2

Type FED.2-700 0.1 – 1 bar
Type FED.2-701 0.1 – 2 bar
Type FED.2-702 0.2 – 4 bar
Type FED.2-703 0.5 – 8 bar
Type FED.2-704 0.5 – 10 bar
Type FED.2-705 0.5 – 16 bar

Spring BG4

Type FED.4-700 0.1 – 1 bar
Type FED.4-701 0.1 – 2 bar
Type FED.4-702 0.2 – 4 bar
Type FED.4-703 0.5 – 8 bar
Type FED.4-704 0.5 – 10 bar
Type FED.4-705 0.5 – 16 bar

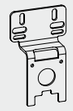
Control panel nut

BG0: C.00-34
BG1: SM-1
BG2: SM-2
BG4: C.33-42

Mounting bracket
for control panel installation

BG0: KBW.0-1227
BG1: KBW.1-1227
BG2: KBW.2-1227

Mounting bracket

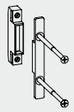


BG0: KBW.0-1225
BG1: KBW.1-1225
BG2: KBW.2-1225
BG4: KBW.4-1225

Coupling kit
wall mounting

BG0: KKOP.0 W
BG1: KKOP.1 W
BG2: KKOP.2 W
BG4: KKOP.4 W

Coupling kit



BG0: KKOP.0
BG1: KKOP.1
BG2: KKOP.2
BG4: KKOP.4

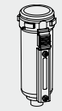
Metal bowl
with level indicator and drain

BG0: C.00 M HA3
(without level indicator)
BG1: BE.1 H HA4
BG2: BE.2 H HA4
BG4: BE.4 H HA3

Metal bowl
with level indicator, closed

BG0: L.00 M
(without level indicator)
BG1: BE.1 H C
BG2: BE.2 H C
BG4: BE.4 H C

Metal bowl
with level indicator and filling valve



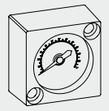
BG1: BE.1 H LUB
BG2: BE.2 H LUB
BG4: BE.4 H LUB

ACCESSORIES

Pressure gauge

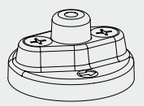
Type G 50.2,5 R
Type G 50.4 R
Type G 50.6 R
Type G 50.10 R
Type G 50.16 R
Type G 50.25 R
Type G 63.6 R
Type G 63.10 R
Type G 63.16 R
Type G 63.25 R

Pressure gauge BG0
square



Type GC 27.12
Type GC 27.6

Differential pressure indicator

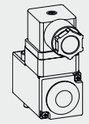


Type DA.1

Differential pressure gauge

Type DM 2

P/E transformer [1]



Type PE.10

Electric pilot valve
24 V=; 24 V/50 Hz;
115 V/50 Hz; 230 V/50 Hz

Type ZG.0-104

Lock
Closure E11
Closure G1663

Type VH.31
Type VH.32

Auto drain

Type AM 10
Type AM 10 NC

1) see main catalogue

Multi-Fix series and Standard series – a selection from the full range.

Equipment	Multi-Fix series Connection size	Standard series Connection size
Filter	G 1/8 to G 1	G 1/8 to G 3
Prefilter 0.3 µm	G 1/8 to G 1	G 1/2 to G 2
Finefilter 0.01 µm	G 1/8 to G 1	G 1/2 to G 2
Activated-carbon filter	G 1/8 to G 1	G 1/2 to G 2
Vacuumfilter	G 1/2	÷
Regulator	G 1/8 to G 1	G 1/8 to G 1/2
Regulator pilot-operated	÷	G 3/4 to G 2
Regulator pneumatic pilot-operated	G 1/4 to G 1	G 1/2 to G 2
Regulator with continuous pressure supply	G 1/4 to G 1/2	÷
Regulator with gauge inside the setting knob	G 1/4 to G 3/8	÷
Regulator with continuous P and gauge inside the setting knob	G 1/4 to G 3/8	÷
Regulator for water	÷	G 1/8 to G 1/4
Regulator for oxygen and neutral gases	÷	G 1/8 to G 1
Regulator for brake fluid	÷	G 1/8 to G 1/4
Regulator made of stainless steel	÷	G 1/4
Precision-regulator	G 1/4 to G 1/2	G 1/4 to G 1/2
Filter regulator for compressed air and neutral gases	G 1/8 to G 1	G 1/8 to G 1
Filter regulator for water	÷	G 1/4
Precision-filter-regulator	÷	G 1/4, G 1/4 NPT
Lubricator	G 1/4 to G 1	G 1/8 to G 2
Micro-dosing lubricator	G 1/8 to G 1/2	
Service 3 unit	G 1/8 to G 1	G 1/4 to G 2
Service 2 unit	G 1/8 to G 1	G 1/8 to G 1
3/2 directional-control valve	G 1/4 to G 1	÷
Starting valve	G 1/4 to G 1	÷
Ball valve	G 1/8 to G 1	÷
Non-return valve	G 1/4 to G 1	÷
Distributor block	G 1/4 to G 1	÷
The individual devices can be easily connected in any order using conical brackets.		

Special devices	Connection size
Diaphragm-type dryer	G 1/4 to G 1/2
Regulator plate ISO.1 to ISO.3	÷
Central-filter-lubricator unit	G 1 and G 2

FUTURA overview (08/2012) – Technical modifications keep in reserve!