



Service Catalog

aerospace
climate control
electromechanical
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pneumatics
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ENGINEERING YOUR SUCCESS.

Service Catalog 2015

False economy, can cost you dearly!

Those who follow a set of simple but effective maintenance rules carry out preventative maintenance of their compressed air dryer on a rolling 12-month basis. To prevent premature wear of other downstream components, nearly pre-and after-filter-elements, silencers and pilot-valves need replacing.

On a 24 month basis, individual dryer sizes also require a replacement of their main control-valves and non-return valves.

Where 12 and 24 month maintenance regimes are strictly adhered to, general overhaul of the dryer should be carried out after 48 months of operation. Together with parts which are generally replaced annually or bi-annually, the by now exhausted adsorption material including seals must be replaced. On some dryer sizes, the flow distributor should also be replaced.

Following this, the above mentioned and customary maintenance regime re-commences, thus preserving the users original capital outlay.



The service-package we offer consists of a tailor-made spare-parts program with which preventative maintenance work can be carried out inexpensively. During the formulation of these service packages, great care and attention was paid particularly to the choice of the parts required. Maintenance intervals have been calculated in such a way, to ensure that despite heavy demands made on frequently operated parts, these still continue to exhibit their optimum service life.

In this way, the execution of regular maintenance means that stoppages are prevented before they occur. The use of service-kits avoids downtime losses.

Should plant shutdown actually happen, this can be a costly occurrence, not to mention the subsequent impact of having to restore operations. By using genuine original spare-parts users are establishing an optimum level of all-round protection, which enables them to safely run their systems at full capacity without fear of component breakdown. This approach saves money. The service packages themselves represent an inexpensive preventative tool, cheaper overall than the sum of their component parts.

Ordering the right Service-kit couldn't be easier.

Adsorption Dryer

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WVM Concept Series





WVM Concept Series

GENERATION 4
from 5/2012 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves.
Options: Dew-point sensor ZHM100/450.

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM40-1450	SKW40-W1450/VM4/12	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	

24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40-355	SKW40-W355/VM4/24	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	
WVM 410-710	SKW410-W710/VM4/24				
WVM 800-1080	SKW800-W1080/VM4/24				
WVM 1230-1450	SKW1230-W1450/VM4/24				

48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers
Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 50	SKW40-W50/VM4/48	See replacement filter elements on opposite page	1 X SDD-25/AL	ZHM100/450	
WVM 65 - 85	SKW65-W85/VM4/48		1 X SDD-25/AL		
WVM 120 – 200	SKW120-W200/VM4/48		1 X SDD-25/AL		
WVM 235 - 355	SKW235-W355/VM4/48		1 X SDD-25/AL		
WVM 410 – 710	SKW410-W710/VM4/48		2 X SDD-25/AL		
WVM 800 - 1080	SKW800-W1080/VM4/48		2 X SDD-25/AL		
WVM 1230-1450	SKW1230-W1450/VM4/48		6 X SDD-40/AL		

WVM Concept Series

GENERATION 4
from 5/2012 to the present day

Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

WVM	Order-No.	WVM	Order-No.	WVM	Order-No.	WVM	Order-No.
Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package
WVM 40	WVM40DESMIX	WVM 150	WVM150DESMIX	WVM 410	WVM410DESMIX	WVM 800	WVM800DESMIX
WVM 50	WVM50DESMIX	WVM 200	WVM200DESMIX	WVM 475	WVM475DESMIX	WVM 920	WVM920DESMIX
WVM 65	WVM65DESMIX	WVM 235	WVM235DESMIX	WVM 525	WVM525DESMIX	WVM 1080	WVM1080DESMIX
WVM 85	WVM85DESMIX	WVM 300	WVM300DESMIX	WVM 620	WVM620DESMIX	WVM 1230	WVM1230DESMIX
WVM 120	WVM120DESMIX	WVM 355	WVM355DESMIX	WVM 710	WVM710DESMIX	WVM 1450	WVM1450DESMIX

Additional Spare-parts (Individual parts)

for Dryer model	Order-No.	Quantity	Scope of supply
WVM 40-50	RKSCD-F40/16/VA	2	Flow-distributor at vessel outlet
WVM 65-85	RKSCD-F50/16/VA	2	Flow-distributor at vessel outlet
WVM 120-200	RKSCD-F80/16/VA	2	Flow-distributor at vessel outlet
WVM 235-355	RKSCD-F100/16/VA	2	Flow-distributor at vessel outlet
WVM 410-710	RKSCD-F150/16/VA	2	Flow-distributor at vessel outlet
WVM 800-1080	RKSCD-F200/10/VA	2	Flow-distributor at vessel outlet
WVM 1230-1450	RKSCD-F250/10/VA	2	Flow-distributor at vessel outlet
WVM 40-50	GASKIT40W	1	Flat-gasket DN40
WVM 65-85	GASKIT50W	1	Flat-gasket DN50
WVM 120-200	GASKIT80W	1	Flat-gasket DN80
WVM 235-355	GASKIT100W	1	Flat-gasket DN100
WVM 410-710	GASKIT150W	1	Flat-gasket DN150
WVM 800-1080	GASKIT200W	1	Flat-gasket DN200
WVM 1230-1450	GASKIT250W	1	Flat-gasket DN250

Replacement filter elements for pre- and after filters

Filter housing code	Filter-element code	Filter housing code	Filter-element code	Quantity	Filter housing code	Filter-element code	Quantity
Element grade VL, ZL, XL, A		Element grade V, ZP, XP, A			Element grade V, ZP, XP, A		
GL12_	CP4040_	F14_	3050_	1	F40_	3075_	4
GL13_	CP4050_	F17_	3075_	1	F60_	3075_	6
GL14_	CP4065_	F19_	5075_	1	F80_	3075_	8
GL17_	CP5065_	F20_	3075_	2	F100_	3075_	10
GL19_	CP5080_	F30_	3075_	3	F120_	3075_	12

The code spacing_ should contain the filter-element grade required.
Example: Filter GL14XL containing filter element CP4065XL or filter F19XP containing with filter element 5075XP.



WVM Concept Series

GENERATION 3
from 4/2009 to 4/2012

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves.
Options: Dew-point sensor ZHM100/450.

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 1450	WVM312A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	

24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40-355	WVM324A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	
WVM 410-710	WVM324B				
WVM 800-1080	WVM324C				
WVM 1230-1450	WVM324D				

48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers
Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 50	WVM348A	See replacement filter elements on opposite page	1 X SDD-25/AL	ZHM100/450	
WVM 65 - 85	WVM348B		1 X SDD-25/AL		
WVM 120 – 200	WVM348C		1 X SDD-25/AL		
WVM 235 - 355	WVM348D		1 X SDD-25/AL		
WVM 410 – 710	WVM348E		2 X SDD-25/AL		
WVM 800 - 1080	WVM348F		2 X SDD-25/AL		
WVM 1230-1450	WVM348G		6 X SDD-40/AL		

WVM Concept Series

GENERATION 3
from 4/2009 to 4/2012

Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

WVM	Order-No.	WVM	Order-No.	WVM	Order-No.	WVM	Order-No.
Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package
WVM 40	WVM40DESMIX	WVM 150	WVM150DESMIX	WVM 410	WVM410DESMIX	WVM 800	WVM800DESMIX
WVM 50	WVM50DESMIX	WVM 200	WVM200DESMIX	WVM 475	WVM475DESMIX	WVM 920	WVM920DESMIX
WVM 65	WVM65DESMIX	WVM 235	WVM235DESMIX	WVM 525	WVM525DESMIX	WVM 1080	WVM1080DESMIX
WVM 85	WVM85DESMIX	WVM 300	WVM300DESMIX	WVM 620	WVM620DESMIX	WVM 1230	WVM1230DESMIX
WVM 120	WVM120DESMIX	WVM 355	WVM355DESMIX	WVM 710	WVM710DESMIX	WVM 1450	WVM1450DESMIX

Additional Spare-parts (Individual parts)

for Dryer model	Order-No.	Quantity	Scope of supply
WVM 40-50	RKSCD-F40/16/VA	2	Flow-distributor at vessel outlet
WVM 65-85	RKSCD-F50/16/VA	2	Flow-distributor at vessel outlet
WVM 120-200	RKSCD-F80/16/VA	2	Flow-distributor at vessel outlet
WVM 235-355	RKSCD-F100/16/VA	2	Flow-distributor at vessel outlet
WVM 410-710	RKSCD-F150/16/VA	2	Flow-distributor at vessel outlet
WVM 800-1080	RKSCD-F200/10/VA	2	Flow-distributor at vessel outlet
WVM 1230-1450	RKSCD-F250/10/VA	2	Flow-distributor at vessel outlet
WVM 40-50	GASKIT40W	1	Flat-gasket DN40
WVM 65-85	GASKIT50W	1	Flat-gasket DN50
WVM 120-200	GASKIT80W	1	Flat-gasket DN80
WVM 235-355	GASKIT100W	1	Flat-gasket DN100
WVM 410-710	GASKIT150W	1	Flat-gasket DN150
WVM 800-1080	GASKIT200W	1	Flat-gasket DN200
WVM 1230-1450	GASKIT250W	1	Flat-gasket DN250

Replacement filter elements for pre- and after filters

Filter housing code	Filter-element code	Filter housing code	Filter-element code	Quantity	Filter housing code	Filter-element code	Quantity
Element grade V, ZP, XP, A		Element grade V, ZP, XP, A			Element grade V, ZP, XP, A		
G12_	2030_	F14_	3050_	1	F40_	3075_	4
G13_	2050_	F17_	3075_	1	F60_	3075_	6
G14_	3050_	F19_	5075_	1	F80_	3075_	8
G17_	3075_	F20_	3075_	2	F100_	3075_	10
G18_	5060_	F30_	3075_	3	F120_	3075_	12
G19_	5075_						

The code spacing_ should contain the filter-element grade required.
Example: Filter G14XP containing filter-element 3050XP or filter F19XP containing with filter-element 5075XP.



WVM Concept Series

GENERATION 2
from 2007 to 4/2009

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves.
Options: Dew-point sensor ZHM100/450.

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 1450	WVM212A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	

24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves, Expansion valve (V5), Worn-parts-kit for the re-pressurisation valve (V4)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40-355	WVM224A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	
WVM 410-710	WVM224B				
WVM 800-1080	WVM224C				
WVM 1230-1450	WVM224D				

48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers
Service-kit contents: Filter elements for control-air, Solenoid valve block, Expansion valve (V5), Worn-parts-kit for the re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 50	WVM248A	See replacement filter elements on opposite page	1 X SDD-25/AL	ZHM100/450	
WVM 65 - 85	WVM248B		1 X SDD-25/AL		
WVM 120 – 200	WVM248C		1 X SDD-25/AL		
WVM 235 - 355	WVM248D		1 X SDD-25/AL		
WVM 410 – 710	WVM248E		2 X SDD-25/AL		
WVM 800 - 1080	WVM248F		2 X SDD-25/AL		
WVM 1230-1450	WVM248G		6 X SDD-40/AL		



WVM Concept Series

GENERATION 2
from 2007 to 4/2009

Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

WVM	Order-No.	WVM	Order-No.	WVM	Order-No.	WVM	Order-No.
Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package
WVM 40	WVM40DESMIX	WVM 150	WVM150DESMIX	WVM 410	WVM410DESMIX	WVM 800	WVM800DESMIX
WVM 50	WVM50DESMIX	WVM 200	WVM200DESMIX	WVM 475	WVM475DESMIX	WVM 920	WVM920DESMIX
WVM 65	WVM65DESMIX	WVM 235	WVM235DESMIX	WVM 525	WVM525DESMIX	WVM 1080	WVM1080DESMIX
WVM 85	WVM85DESMIX	WVM 300	WVM300DESMIX	WVM 620	WVM620DESMIX	WVM 1230	WVM1230DESMIX
WVM 120	WVM120DESMIX	WVM 355	WVM355DESMIX	WVM 710	WVM710DESMIX	WVM 1450	WVM1450DESMIX

Generation Update

These parts have been chosen in such a way that component updating to the current specification is possible. As deviations can occur, please contact your Parker sales office prior to carrying out this work. Please ensure when contacting Parker that you are in possession of the construction number of the dryer in question or of the control cabinet.

WVM	Material required – Order No.			Optional Order-No.	
Product Code	Controls	Valve-technology			
WVM 40-200	UK-ZDMC-W40-200				
WVM 235-475	UK-ZDMC-W235-475				
WVM 525-800	UK-ZDMC-W525-800				

Additional Spare-parts (Individual parts), see Generation 3 or 4.

Replacement filter elements for pre- and after filters

Filter housing code	Filter-element code	Filter housing code	Filter-element code	Quantity	Filter housing code	Filter-element code	Quantity
Element grade V, ZP, XP, A		Element grade V, ZP, XP, A			Element grade V, ZP, XP, A		
G12_	2030_	F14_	3050_	1	F40_	3075_	4
G13_	2050_	F17_	3075_	1	F60_	3075_	6
G14_	3050_	F19_	5075_	1	F80_	3075_	8
G17_	3075_	F20_	3075_	2	F100_	3075_	10
G18_	5060_	F30_	3075_	3	F120_	3075_	12
G19_	5075_						

The code spacing_ should contain the filter-element grade required.
Example: Filter G14XP containing filter-element 3050XP or filter F19XP containing with filter-element 5075XP.
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WVM Concept Series

GENERATION 1
from 2000 to 2006

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves.
Options: Dew-point sensor ZHM100/450.

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 1450	WVM12A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	

24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers
Service-kit contents: Filter elements for control-air, Pilot valves, Expansion valve (V5), Worn-parts-kit for the re-pressurisation valve (V4)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40-355	WVM24A	See replacement filter elements on opposite page	See table – 48 months	ZHM100/450	
WVM 410-710	WVM24B				
WVM 800-1080	WVM24C				
WVM 1230-1450	WVM24D				

48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers
Service-kit contents: Filter elements for control-air, Solenoid valve block, Expansion valve (V5), Worn-parts-kit for the re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)
Options: Dew-point sensor ZHM100/450

WVM	Material required – Order No.			Options – Order No.	
Product code	Service-kit	Filter-element	Silencer	Others	
WVM 40 - 50	WVM48A	See replacement filter elements on opposite page	1 X SDD-25/AL	ZHM100/450	
WVM 65 - 85	WVM48B		1 X SDD-25/AL		
WVM 120 – 200	WVM48C		1 X SDD-25/AL		
WVM 235 - 355	WVM48D		1 X SDD-25/AL		
WVM 410 – 710	WVM48E		2 X SDD-25/AL		
WVM 800 - 1080	WVM48F		2 X SDD-25/AL		
WVM 1230-1450	WVM48G		6 X SDD-40/AL		

WVM Concept Series

GENERATION 1
from 2000 to 2006

Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

WVM	Order-No.	WVM	Order-No.	WVM	Order-No.	WVM	Order-No.
Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package	Product Code	DESMIX-package
WVM 40	WVM40DESMIX	WVM 150	WVM150DESMIX	WVM 410	WVM410DESMIX	WVM 800	WVM800DESMIX
WVM 50	WVM50DESMIX	WVM 200	WVM200DESMIX	WVM 475	WVM475DESMIX	WVM 920	WVM920DESMIX
WVM 65	WVM65DESMIX	WVM 235	WVM235DESMIX	WVM 525	WVM525DESMIX	WVM 1080	WVM1080DESMIX
WVM 85	WVM85DESMIX	WVM 300	WVM300DESMIX	WVM 620	WVM620DESMIX	WVM 1230	WVM1230DESMIX
WVM 120	WVM120DESMIX	WVM 355	WVM355DESMIX	WVM 710	WVM710DESMIX	WVM 1450	WVM1450DESMIX

Additional Spare-parts (Individual parts)

for Dryer model	Order-No.	Quantity	Scope of supply
WVM 40-50	RKSCD-F40/16/VA	2	Flow-distributor at vessel outlet
WVM 65-85	RKSCD-F50/16/VA	2	Flow-distributor at vessel outlet
WVM 120-200	RKSCD-F80/16/VA	2	Flow-distributor at vessel outlet
WVM 235-355	RKSCD-F100/16/VA	2	Flow-distributor at vessel outlet
WVM 410-710	RKSCD-F150/16/VA	2	Flow-distributor at vessel outlet
WVM 800-1080	RKSCD-F200/10/VA	2	Flow-distributor at vessel outlet
WVM 1230-1450	RKSCD-F250/10/VA	2	Flow-distributor at vessel outlet
WVM 40-50	GASKIT40W	1	Flat-gasket DN40
WVM 65-85	GASKIT50W	1	Flat-gasket DN50
WVM 120-200	GASKIT80W	1	Flat-gasket DN80
WVM 235-355	GASKIT100W	1	Flat-gasket DN100
WVM 410-710	GASKIT150W	1	Flat-gasket DN150
WVM 800-1080	GASKIT200W	1	Flat-gasket DN200
WVM 1230-1450	GASKIT250W	1	Flat-gasket DN250

Replacement filter elements for pre- and after filters

Filter housing code	Filter-element code	Quantity	Filter housing code	Filter-element code	Quantity
Element grade V, ZP, XP, A			Element grade V, ZP, XP, A		
G12_	2030_		F14_	3050_	1
G13_	2050_		F17_	3075_	1
G14_	3050_		F19_	5075_	1
G17_	3075_		F20_	3075_	2
G18_	5060_		F30_	3075_	3
G19_	5075_				
			F40_	3075_	4
			F60_	3075_	6
			F80_	3075_	8
			F100_	3075_	10
			F120_	3075_	12

The code spacing_ should contain the filter-element grade required.
Example: Filter G14XP containing filter-element 3050XP or filter F19XP containing with filter-element 5075XP.

Heatless Adsorption Dryers

K-MT 1-8, KM 5-115 Series





K-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

12 and 36 month interval

Material required: Service-kit
Service-kit contents: Re-set module, silencer, filter elements
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
K-MT 1-4	SKK1-K4/D2/12			ZHM100/450	
K-MT 6-7	SKK6-K7/D2/12				
K-MT 8	SKK8/D2/12				

24 month interval

Material required: Service-kit
Service-kit contents: Re-set module, silencer, filter elements, wear part set for in-/outlet-valves
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
K-MT 1-4	SKK1-K4/D2/24			ZHM100/450	
K-MT 6-7	SKK6-K7/D2/24				
K-MT 8	SKK8/D2/24				

48 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencer, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 demister pads,
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
K-MT 1-4	SKK1-K4/D2/48			ZHM/100/450	
K-MT 6-7	SKK6-K7/D2/48				
K-MT 8	SKK8/D2/48				



K-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

DESPACs

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	K-MT 1	K-MT 2	K-MT 3	K-MT 4	K-MT 6	K-MT 7	K-MT 8
DESPAC1MS	1		1		1		
DESPAC4MS		1	1	2	3	4	1
DESPAC15MS							1

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

K-MT	Options - Order-No.		K-MT	Options - Order-No.	
Product code	Filter housing size	Element grade VL, ZL, XL, A	Product code	Filter housing size	Element grade VL, ZL, XL, A
K-MT 1	GL2	CP1008_	K-MT 6	GL5	CP2010_
K-MT 2	GL2	CP1008_	K-MT 7	GL5	CP2010_
K-MT 3	GL2	CP1008_	K-MT 8	GL7	CP2020_
K-MT 4	GL2	CP1008_			

The code spacing_ should contain the filter-element grade required. Example: Filter GL2XL containing filter-element CP1008XL.

Loose accessories

Suitable for	Order-No.	Use	Suitable for	Order-No.	Use
K-MT 1 to K-MT 8	VASRGR/K1-K8	Balance-line	K-MT 1 to K-MT 4	VASVPB/K1-K4/08	Starting device G1/4i
K-MT 1 to K-MT 95	VASDPDP/K1-K95	Dew point measurement	K-MT 6 to K-MT 7	VASVPB/K6-K7/15	Starting device G1/2i
K-MT 1 to K-MT 95	VASMBS420	Signal Splitter 4-20 mA	K-MT 8	VASVPB/K8/20	Starting device G3/4i
K-MT 1 to K-MT 95	VASNOZ/K1-K95	Nozzle-kit	K-MT 1 to K-MT 4	VASFS3/K1-K4	Fine filter silencer
K-MT 1 to K-MT 8	VASSDD08/15	Silencer	K-MT 6 to K-MT 8	VASFS5/K6-K8	Fine filter silencer

K-MT 1-8 Series

GENERATION 1
From 05/2003 to 06/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module
Options: Dew point sensor ZHM 100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	Filter-element	Silencer	Others	
K-MT 1-8	K-MT12A	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450	

24 month interval

Material required: Service-kit, filter elements, silencer,
Service-kit contents: Re-set module, wear part set for in-/outlet-valves
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	Filter-element	Silencer	Others	
K-MT 1-8	K-MT24A	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450	

48 month interval

Material required: Service-kit, silencer, filter elements, DESPACs see on opposite page
Service-kit contents: Re-set module, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 Demisters
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	Filter-element	Silencer	Others	
K-MT 1-4	K-MT48A	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450	
K-MT 6-8	K-MT48B				



K-MT 1-8 Series

GENERATION 1
From 05/2003 to 6/2011

DESPACs

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	K-MT 1	K-MT 2	K-MT 3	K-MT 4	K-MT 6	K-MT 7	K-MT 8
DESPAC1MS	1		1		1		
DESPAC4MS		1	1	2	3	4	1
DESPAC15MS							1

Replacement filter elements for pre- and after filters

K-MT	Order-No.		K-MT	Order-No.	
Product code	Filter housing size	Element grade V, ZP, XP, A	Product code	Filter housing size	Element grade V, ZP, XP, A
K-MT 1	G2	1030_	K-MT 6	G5	1070_
K-MT 2	G2	1030_	K-MT 7	G5	1070_
K-MT 3	G2	1030_	K-MT 8	G7	1140_
K-MT 4	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

Loose accessories

Suitable for	Order-No.	Use	Suitable for	Order-No.	Use
K-MT 1 to K-MT 8	VASRGR/K1-K8	Balance-line	K-MT 1 to K-MT 4	VASVPB/K1-K4/08	Starting device G1/4i
K-MT 1 to K-MT 95	VASDPDP/K1-K95	Dew point measurement	K-MT 6 to K-MT 7	VASVPB/K6-K7/15	Starting device G1/2i
K-MT 1 to K-MT 95	VASMBS420	Signal Splitter 4-20 mA	K-MT 8	VASVPB/K8/20	Starting device G3/4i
K-MT 1 to K-MT 95	VASNOZ/K1-K95	Nozzle-kit	K-MT 1 to K-MT 4	VASF3S/K1-K4	Fine filter silencer
K-MT 1 to K-MT 8	VASSDD08/15	Silencer	K-MT 6 to K-MT 8	VASF5S/K6-K8	Fine filter silencer

KM 5-115 Series

GENERATION 0
Up to mid. 2003



Generation 0 dryers should be updated once to the latest technical specification using the following retrofit kits.

For the maintenance of the updated series, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

Update-kit

Suitable for	Order-No.	Replaceable contents
KM 5 to KM 35	UKKM5-35	Solenoid valve plate incl. seals + cable + socket-coupling
KM 5 to KM 35	UKKM5-35/RV	Non-return valve plate incl. seals - without nozzle
KM 75 to KM 115	UKKM75-115	Solenoid valve plate incl. seals + cable + socket-coupling
KM 75 to KM 115	UKKM75-115/RV	Non-return valve plate incl. seals - without nozzle

Update-kit Multitronic

Suitable for	Order-No.	Replaceable contents
KM 5 bis KM 115	UKMT-230-ZHM	Multitronic + cable + ZHM100 + measuring chamber
KM 5 bis KM 115	UKMT-230	Multitronic + cable

After the conversion of the current control Multitronic every 12 month is the following service kit required		
KM 5-KM 115	K-MT12A	Reset-modul

12 and 36 month interval

Material required: Filter elements, silencers
Service-kit contents: -
Options: Dew point sensor* (*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

KM	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	Filter-element	Silencer	Others	
KM 5-KM 115	**	See replacement filter elements on opposite page	VASSDD08/15	Dew point sensor*	

24 month interval

Material required: Service-kit, filter elements, silencers
Service-kit contents: Wear part set for in-/outlet-valves
Options: Dew point sensor* (*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

KM	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	Filter-element	Silencer	Others	
KM 5-KM 115	KM24A-UG	See replacement filter elements on opposite page	VASSDD08/15	Dew point sensor*	



KM 5-115 Series

GENERATION 0
Up to mid. 2003

48 month interval

Material required: Service-kit, filter elements, silencer, DESPACs see below
Service-kit contents: Perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves
Options: Dew point sensor* (*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

K-MT	Material required - Order-No.			Options	
Product Code	Service-kit	Filter-element	Silencer	Others	
KM 5-KM 35	KM48A-UG	See replacement filter elements on opposite page	VASSDD08/15	Dew point sensor*	
KM 75-KM 115	KM48B-UG				

DESPACs

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	KM 5	KM10	KM25	KM35	KM75	KM95	KM115
DESPAC1MS	1		1			2	
DESPAC4MS		1	1	2			2
DESPAC15MS					1	1	1

Replacement filter elements for pre- and after filters

KM	Order-No.		KM	Order-No.	
Product code	Filter housing size	Element grade V, ZP, XP, A	Product code	Filter housing size	Element grade V, ZP, XP, A
KM 5	G2	1030_	KM 75	G5	1070_
KM 10	G2	1030_	KM 95	G5	1070_
KM 25	G2	1030_	KM 115	G7	1140_
KM 35	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

Heatless Adsorption Dryers

K-MT 10-95, KE-MT, KEN-MT, KEN Series





K-MT 10-95 Series

GENERATION 2
From 07/2011 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

12 and 36 month interval

Material required: Service-kit
Service-kit contents: Re-set module, silencer, filter elements, pilot valves
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit			Others	
K-MT 10-20	SKK10-K20/D2/12			ZHM100/450	
K-MT 25	SKK25/D2/12				
K-MT 35	SKK35/D2/12				
K-MT 45	SKK45/D2/12				
K-MT 60-75	SKK60-K75/D2/12				
K-MT 95	SKK95/D2/12				

24 and 48 month interval

Material required: Service-kit,
48 month intervall: Additional DESMIX (see on opposite page)
Service-kit contents: Re-set module, silencer, filter elements, pilot valves, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, solenoid coils 230
Options: Dew point sensor ZHM100/450

K-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit			Others	
K-MT 10-20	SKK10-K20/D2/24			ZHM100/450	
K-MT 25	SKK25/D2/24				
K-MT 35	SKK35/D2/24				
K-MT 45	SKK45/D2/24				
K-MT 60-75	SKK60-K75/D2/24				
K-MT 95	SKK95/D2/24				

K-MT 10-95 Series

GENERATION 2
From 07/2011 to the present day

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

Model	Order-No.	Model	Order-No.
K-MT 10	K-MT10DESMIX	K-MT 35	K-MT35DESMIX
K-MT 15	K-MT15DESMIX	K-MT 45 and K-MT 60	K-MT60DESMIX
K-MT 20	K-MT20DESMIX	K-MT 75	K-MT75DESMIX
K-MT 25	K-MT25DESMIX	K-MT 95	K-MT95DESMIX

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

K-MT	Options - Order-No.		K-MT	Options - Order-No.	
Model	Filter size	Element grade VL, ZL, XL, A	Model	Filter size	Element grade VL, ZL, XL, A
K-MT 10	GL9	CP3025_	K-MT 45	GL12	CP4040_
K-MT 15	GL9	CP3025_	K-MT 60	GL13	CP4050_
K-MT 20	GL9	CP3025_	K-MT 75	GL13	CP4050_
K-MT 25	GL11	CP3040_	K-MT 95	GL14	CP4065_
K-MT 35	GL11	CP3040_			

The underscore_ should be replaced by the element grade required. Example Filter GL9XL containing filter-element CP3025XL.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
K-MT 10 to K-MT 95	VASDPDP/K1-K95	Dew point measurement	K-MT 10 to K-MT 20	VASVPB/K10-K20/25	Start-up device G1i
K-MT 10 to K-MT 95	VASMBS420	Signal duplicator 4-20 mA	K-MT 25 to K-MT 45	VASVPB/K25-K45/40	Start-up device G1 1/2i
K-MT 10 to K-MT 15	VASFS5/K10-K15	Fine filter muffler	K-MT 60 to K-MT 75	VASVPB/K60-K75/50	Start-up device G2i
K-MT 20 to K-MT 25	VASFS5/K20-K25	Fine filter muffler	K-MT 95	VASVPB/K95/65	Start-up device G2 1/2i
K-MT 35 to K-MT 60	VASFS5/K35-K60	Fine filter muffler	K-MT 10 to K-MT 95	VASRGR/K10-K95	Regeneration gas return
K-MT 75 to K-MT 95	VASFS5/K75-K95	Fine filter muffler	K-MT 10 to K-MT 95	VASNOZ/K1-K95	Nozzle kit



KE-MT 10-95 Series

GENERATION 1
From 04/2007 to 07/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, pilot valves
Options: Dew point sensor ZHM 100/450

KE-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KE-MT 10-25	KE-MT12A	See replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KE-MT 35-60			SDD-40/AL		
KE-MT 75-95			SDD-50/AL		

24 and 48 month interval

Material required: Service-kit, silencer, filter elements
48 month interval: Additional DESMIX (see on opposite page)
Service-kit contents: Re-set module, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block
Options: Dew point sensor ZHM100/450

KE-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KE-MT 10-25	KE-MT24A	See replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KE-MT 35-60	KE-MT24B		SDD-40/AL		
KE-MT 75-95			SDD-50/AL		

KE-MT 10-95 Series

GENERATION 1
From 04/2007 to 7/2011

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

Model	Order-No.	Model	Order-No.
KE-MT 10	KE-MT10DESMIX	KE-MT 35	KE-MT35DESMIX
KE-MT 15	KE-MT15DESMIX	KE-MT 45 and KE-MT 60	KE-MT60DESMIX
KE-MT 20	KE-MT20DESMIX	KE-MT 75	KE-MT75DESMIX
KE-MT 25	KE-MT25DESMIX	KE-MT 95	KE-MT95DESMIX

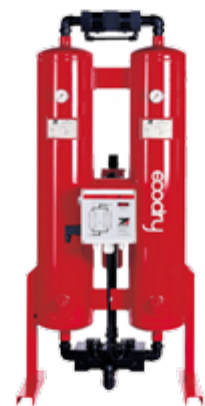
Replacement filter elements for pre- and after filters

KE-MT	Options - Order-No.		KE-MT	Options - Order-No.	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KE-MT 10	G9	2010_	KE-MT 40	G12	2030_
KE-MT 15	G9	2010_	KE-MT 45	G12	2030_
KE-MT 20	G11	2020_	KE-MT 60	G13	2050_
KE-MT 25	G11	2020_	KE-MT 75	G14	3050_
KE-MT 35	G12	2030_	KE-MT 95	G14	3050_

The underscore_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KE-MT 10 - KE-MT 95	VASDPDP/K1-K95	Dew point measurement	KE-MT 10 - KE-MT 25	VASVPB/K10-K20/25	Start-up device G1i
KE-MT 10 - KE-MT 95	VASMBS420	Signal duplicator 4-20 mA	KE-MT 35 - KE-MT 60	VASVPB/K25-K40/40	Start-up device G1 1/2i
KE-MT 10 - KE-MT 15	VASFS5/K10-K15	Fine filter muffler	KE-MT 75 - KE-MT 95	VASVPB/K60-K75/50	Start-up device G2i
KE-MT 20 - KE-MT 25	VASFS5/K20-K25	Fine filter muffler	KE-MT 10 - KE-MT 95	VASRGR/K10-K95	Regeneration gas return
KE-MT 35 - KE-MT 60	VASFS5/K35-K60	Fine filter muffler	KE-MT 10 - KE-MT 95	VASNOZ/K1-K95	Nozzle kit
KE-MT 75 - KE-MT 95	VASFS5/K75-K95	Fine filter muffler			



KEN-MT 200-1400 Series

GENERATION 0
From 5/2003 to 04/2007

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, pilot valves
Options: Dew point sensor ZHM 100/450

KEN-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN-MT 200-500	KEN-MT12A	See replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KEN-MT 600-1150			SDD-40/AL		
KEN-MT 1400			SDD-50/AL		

24 and 48 month interval

Material required: Service-kit, silencer, filter elements
48 month intervall: Additional DESMIX (see on opposite page)
Service-kit contents: Re-set module, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, pilot valves, solenoid coils 230V
Options: Dew point sensor ZHM100/450

KEN-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN-MT 200-500	KEN-MT24A	See replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KEN-MT 600-1150	KEN-MT24B		SDD-40/AL		
KEN-MT 1400			SDD-50/AL		

KEN-MT 200-1400 Series

GENERATION 0
From 5/2003 to 04/2007

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

Model	Order-No.	Model	Order-No.
KEN-MT 200	KEN200DESMIX	KEN-MT 600	KEN600DESMIX
KEN-MT 300	KEN300DESMIX	KEN-MT 800	KEN800DESMIX
KEN-MT 400	KEN400DESMIX	KEN-MT 1150	KEN1150DESMIX
KEN-MT 500	KEN500DESMIX	KEN-MT 1400	KEN1400DESMIX

Replacement filter elements for pre- and after filters

KEN-MT	Options - Order-No.		KEN-MT	Options - Order-No.	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KEN-MT 200	G9	2010_	KEN-MT 600	G12	2030_
KEN-MT 300	G9	2010_	KEN-MT 800	G12	2030_
KEN-MT 400	G11	2020_	KEN-MT 1150	G13	2050_
KEN-MT 500	G11	2020_	KEN-MT 1400	G14	3050_

The underscore_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KEN-MT200-KEN-MT400	VASDPDP/K1-K95	Dew point measurement	KEN-MT200-KEN-MT500	VASVPB/K10-K20/25	Start-up device G1i
KEN-MT200-KEN-MT1400	VASMBS420	Signal duplicator 4-20 mA	KEN-MT600-KEN-MT1150	VASVPB/K25-K40/40	Start-up device G1 1/2i
KEN-MT200-KEN-MT300	VASF5S/K10-K15	Fine filter muffler	KEN-MT1400	VASVPB/K60-K75/50	Start-up device G2i
KEN-MT400-KEN-MT500	VASF5S/K20-K25	Fine filter muffler	KEN-MT200-KEN-MT1400	VASRGR/K10-K95	Reg.-gas return
KEN-MT600-KEN-MT1150	VASF5S/K35-K60	Fine filter muffler	KEN-MT200-KEN-MT1400	VASNOZ/K1-K95	Nozzle kit
KEN-MT1400	VASF5S/K75-K95	Fine filter muffler			

KEN 200-1400 Series

GENERATION -1
From 9/2001 to 5/2003



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

Update-Kit Multitronic

Suitable for	Order-No.	Replaceable contents
KEN 200 to KEN 1400	UKMT-230-ZHM	Multitronic + ZHM100 + Cable + Measuring chamber
KEN 200 to KEN 1400	UKMT-230	Multitronic + Cable
After upgrading to the current control Multitronic the service-kits of the Generation 0 are required		

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Pilot valves, indicator beads orange
Options: Dew point sensor ZHM 100/450

KEN	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN 200-500	KEN12A	see replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KEN 600-1150			SDD-40/AL		
KEN 1400			SDD-50/AL		

24 and 48 month interval

Material required: Service-kit, silencer, filter elements
48 month intervall: Additional DESMIX (see on opposite page)
Service-kit contents: Wear part sets for in-/outlet valves and non-return valves, o-ring set (internal) for solenoid valve block, pilot valves, solenoid coils 230V, indicator beads orange
Options: Dew point sensor ZHM100/450

KEN	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN 200-500	KEN24A	see replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
KEN 600-1150	KEN24B		SDD-40/AL		
KEN 1400			SDD-50/AL		



KEN 200-1400 Series

GENERATION -1
From 9/2001 to 5/2003

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

Model	Order-No.	Model	Order-No.
KEN 200	KEN200DESMIX	KEN 600	KEN600DESMIX
KEN 300	KEN300DESMIX	KEN 800	KEN800DESMIX
KEN 400	KEN400DESMIX	KEN 1150	KEN1150DESMIX
KEN 500	KEN500DESMIX	KEN 1400	KEN1400DESMIX

Replacement filter elements for pre- and after filters

KEN	Options - Order-No.		KEN	Options - Order-No.	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KEN 200	G9	2010_	KEN 600	G12	2030_
KEN 300	G9	2010_	KEN 800	G12	2030_
KEN 400	G11	2020_	KEN 1150	G13	2050_
KEN 500	G11	2020_	KEN 1400	G14	3050_

The underscore_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KEN 200-KEN 400	VASPD/PK1-K95	Dew point measurement	KEN 200-KEN 500	VASVPB/K10-K20/25	Start-up device G1i
KEN 200-KEN 1400	VASMBS420	Signal duplicator 4-20 mA	KEN 600-KEN 1150	VASVPB/K25-K40/40	Start-up device G1 1/2i
KEN 200-KEN 300	VASFS5/K10-K15	Fine filter muffler	KEN 1400	VASVPB/K60-K75/50	Start-up device G2i
KEN 400-KEN 500	VASFS5/K20-K25	Fine filter muffler	KEN 200-KEN 1400	VASRGR/K10-K95	Regeneration gas return
KEN 600-KEN 1150	VASFS5/K35-K60	Fine filter muffler	KEN 200-KEN 1400	VASNOZ/K1-K95	Nozzle kit
KEN 1150-KEN 1400	VASFS5/K75-K95	Fine filter muffler			

KE-MT 120-600 Series



GENERATION 1 B
From 04/2007 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, pilot valves, control air filter-element
Options: Dew point sensor ZHM 100/450

KE-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KE-MT 120-600	KE-MT12B	See replacement filter elements on opposite page	see 24/48 month interval	ZHM100/450	

24 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, wear part sets for in-/outlet-valves, pilot valves, control air filter-element
Options: Dew point sensor ZHM 100/450

KE-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KE-MT 120	KE-MT24F	See replacement filter elements on opposite page	2xSDD-40/AL	ZHM100/450	
KE-MT 150-250	KE-MT24C		2xSDD-40/AL		
KE-MT 300-500	KE-MT24D		4xSDD-50/AL		
KE-MT 600	KE-MT24E		4xSDD-80/AL		

48 month interval

Material required: Service-kit, silencer, filter elements, DESMIX (see on opposite page)
Service-kit contents: Re-set module, control air filter-element, wear part sets for in-/outlet-valves, solenoid valve block
Options: Dew point sensor ZHM100/450

KE-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KE-MT 120	KE-MT48F	See replacement filter elements on opposite page	2xSDD-40/AL	ZHM100/450	
KE-MT 150-250	KE-MT48C		2xSDD-40/AL		
KE-MT 300-500	KE-MT48D		4xSDD-50/AL		
KE-MT 600	KE-MT48E		4xSDD-80/AL		

KE-MT 120-600 Series

GENERATION 1 B
From 04/2007 to the present day

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

Model	Order-No.	Model	Order-No.
KE-MT 120	KEN2000DESMIX	KE-MT 300	KEN5000DESMIX
KE-MT 150	KEN2600DESMIX	KE-MT 380	KEN6000DESMIX
KE-MT 200	KEN3100DESMIX	KE-MT 500	KEN8000DESMIX
KE-MT 250	KEN3800DESMIX	KE-MT 600	KEN10000DESMIX

GASKIT (already included in the DESMIX packs)

GASKIT content: 12 flat gaskets acc. to nominal diameters

Model	DN	Order-No.	Model	DN	Order-No.
KE-MT 120	50	GASKIT50	KE-MT 380 - 500	100	GASKIT100
KE-MT 150 - 200	65	GASKIT65	KE-MT 600	125	GASKIT125
KE-MT 250 - 300	80	GASKIT80			

Replacement filter elements for pre- and after filters (until 03/2013)

KE-MT	Element option		KE-MT	Element option	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KE-MT 120	G17	3075_	KE-MT 300	F20	2x 3075_
KE-MT 150	G17	3075_	KE-MT 380	F20	2x 3075_
KE-MT 200	G18	5060_	KE-MT 500	F30	3x 3075_
KE-MT 250	G19	5075_	KE-MT 600	F40	4x 3075_

The underscore_should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP resp. F20 with filter elements 2x 3075XP. Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.

Replacement filter elements for pre- and after filters (from 04/2013)

KEN	Element option		KEN	Element option	
Model	Filter size	Element grade VL, ZL, XL, A	Model	Filter size	Element grade VL, ZL, XL, A
KEN2000	FL17	1x CPS4060_	KEN5000	FL20	2x CPS4060_
KEN2600	FL17	1x CPS4060_	KEN6000	FL20	2x CPS4060_
KEN3100	FL17	1x CPS4060_	KEN8000	FL30	3x CPS4060_
KEN3800	FL20	2x CPS4060_	KEN10000	FL30	3x CPS4060_

The underscore_should be replaced by the element grade required. Example: Filter FL20XL with filter elements 2x CPS4060XL. Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.

KEN-MT 2000-10000 Series



GENERATION 1 A
From 03/2003 to 4/2007

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, pilot valves, control air filter-element
Options: Dew point sensor ZHM 100/450

KEN-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN-MT 2000-10000	KEN-MT12D	See replacement filter elements on opposite page	see 24/48 month interval	ZHM100/450	

24 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Re-set module, wear part sets for outlet-valves, pilot valves, control air filter-element
Options: Dew point sensor ZHM 100/450

KEN-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN-MT 2000-3800	KEN-MT24D	See replacement filter elements on opposite page	2xSDD-50/AL	ZHM100/450	
KEN-MT 5000-8000	KEN-MT24E		4xSDD-50/AL		
KEN-MT 10000	KEN-MT24F		4xSDD-80/AL		

48 month interval

Material required: Service-kit, silencer, filter elements, DESMIX (see on opposite page)
Service-kit contents: Re-set module, control air filter-element, wear part sets for outlet-valves, solenoid valve block
Options: Dew point sensor ZHM100/450

KEN-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN-MT 2000-3800	KEN-MT48D	See replacement filter elements on opposite page	2xSDD-50/AL	ZHM100/450	
KEN-MT 5000-8000	KEN-MT48E		4xSDD-50/AL		
KEN-MT 10000	KEN-MT48F		4xSDD-80/AL		

KEN-MT 2000-10000 Series

GENERATION 1 A
From 05/2003 to 4/2007

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

Model	Order-No.	Model	Order-No.
KEN-MT 2000	KEN2000DESMIX	KEN-MT 5000	KEN5000DESMIX
KEN-MT 2600	KEN2600DESMIX	KEN-MT 6000	KEN6000DESMIX
KEN-MT 3100	KEN3100DESMIX	KEN-MT 8000	KEN8000DESMIX
KEN-MT 3800	KEN3800DESMIX	KEN-MT 10000	KEN10000DESMIX

GASKIT (already included in the DESMIX packs)

GASKIT content: 12 flat gaskets acc. to nominal diameters

Model	DN	Order-No.	Model	DN	Order-No.
KEN-MT 2000	50	GASKIT50	KEN-MT 6000-8000	100	GASKIT100
KEN-MT 2600-3100	65	GASKIT65	KEN-MT 10000	125	GASKIT125
KEN-MT 3800-5000	80	GASKIT80			

Replacement filter elements for pre- and after filters

KEN-MT	Element option		KEN-MT	Element option	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KEN-MT2000	G17	3075_	KEN-MT5000	F20	2x 3075_
KEN-MT2600	G17	3075_	KEN-MT6000	F20	2x 3075_
KEN-MT3100	G18	5060_	KEN-MT8000	F30	3x 3075_
KEN-MT3800	G19	5075_	KEN-MT10000	F40	4x 3075_

The underscore_ should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP bzw. F20 with filter elements 2x 3075XP. Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.

KEN 2000-10000 Series

GENERATION 0
From 09/2001 to 9/2003

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

Update-Kit Multitronic

Suitable for	Order-No.	Replaceable contents
KEN 2000 - KEN 10000	UKMT-230-ZHM	Multitronic + ZHM100 + Cable + Measuring chamber
KEN 2000 - KEN 10000	UKMT-230	Multitronic + Cable
After upgrading to the current control Multitronic the service-kits of the Generation 0 are required.		



12 and 36 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Pilot valves, control air filter element, indicator beads
Options: Dew point sensor ZHM 100/450

KEN	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN 2000-10000	KEN12D	See replacement filter elements on opposite page	siehe Intervall 24/48 Monate	ZHM100/450	

24 month interval

Material required: Service-kit, filter elements, silencer
Service-kit contents: Wear part sets for in-/outlet-valves, pilot valves, control air filter-element, indicator beads
Options: Dew point sensor ZHM 100/450

KEN	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN 2000-3800	KEN24D	See replacement filter elements on opposite page	2xSDD-50/AL	ZHM100/450	
KEN 5000-8000	KEN24E		4xSDD-50/AL		
KEN 10000	KEN24F		4xSDD-80/AL		

48 month interval

Material required: Service-kit, silencer, filter elements, DESMIXs (see on opposite page)
Service-kit contents: Control air filter-element, wear part sets for in-/outlet-valves, solenoid valve block, indicator beads
Options: Dew point sensor ZHM100/450

KEN	Material required - Order-No.			Options - Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
KEN 2000-3800	KEN48D	See replacement filter elements on opposite page	2xSDD-50/AL	ZHM100/450	
KEN 5000-8000	KEN48E		4xSDD-50/AL		
KEN 10000	KEN48F		4xSDD-80/AL		

KEN 2000-10000 Series

GENERATION 0
From 09/2001 to 9/2003

DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

Model	Order-No.	Model	Order-No.
KEN 2000	KEN2000DESMIX	KEN 5000	KEN5000DESMIX
KEN 2600	KEN2600DESMIX	KEN 6000	KEN6000DESMIX
KEN 3100	KEN3100DESMIX	KEN 8000	KEN8000DESMIX
KEN 3800	KEN3800DESMIX	KEN 10000	KEN10000DESMIX

GASKIT (already included in the DESMIX packs)

GASKIT content: 12 flat gaskets acc. to nominal diameters

Model	DN	Order-No.	Model	DN	Order-No.
KEN 2000	50	GASKIT50	KEN 6000-8000	100	GASKIT100
KEN 2600-3100	65	GASKIT65	KEN 10000	125	GASKIT125
KEN 3800-5000	80	GASKIT80			

Replacement filter elements for pre- and after filters

KEN	Element option		KEN	Element option	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	Element grade V, ZP, XP, A
KEN2000	G17	3075_	KEN5000	F20	2x 3075_
KEN2600	G17	3075_	KEN6000	F20	2x 3075_
KEN3100	G18	5060_	KEN8000	F30	2x 3075_
KEN3800	G19	5075_	KEN10000	F40	4x 3075_

The underscore_ should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP bzw. F20 with filter elements 2x 3075XP. Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.

Heatless Adsorption Dryers

KA-MT 1-8, KMA 5-115 Series





KA-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter elements, perforated plates
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
KA-MT 1-4	SKK1-K4/DA2/12			ZHM100/450	P02/ZR
KA-MT 6-7	SKK6-K7/DA2/12				
KA-MT 8	SKK8/DA2/12				

24 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter elements, wear part set for in- and outlet-valves
Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
KA-MT 1-4	SKK1-K4/DA2/24			ZHM100/450	P02/ZR
KA-MT 6-7	SKK6-K7/DA2/24				
KA-MT 8	SKK8/DA2/24				

48 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, 2 demister pads.
Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit			Others	
KA-MT 1-4	SKK1-K4/DA2/48			ZHM100/450	P02/ZR
KA-MT 6-7	SKK6-K7/DA2/48				
KA-MT 8	SKK8/DA2/48				

KA-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

DESPACs

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

Order-No.	KA-MT 1	KA-MT 2	KA-MT 3	KA-MT 4	KA-MT 6	KA-MT 7	KA-MT 8
DESPAC3AK	1	1	1	1	2	2	
DESPAC10AK							1

48 month interval

Content DESPAC: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	KA-MT 1	KA-MT 2	KA-MT 3	KA-MT 4	KA-MT 6	KA-MT 7	KA-MT 8
DESPAC1MS	1		1		1		
DESPAC4MS		1	1	2	3	4	1
DESPAC15MS							1

Replacement filter elements for pre- and after filters (Filter elements are included in the Service-kit)

KA-MT	Options - Order-No.		KA-MT	Options - Order-No.	
Product Code	Filter Housing Code	Element Grade VL, ZL, XL, A	Product Code	Filter Housing Code	Element Grade VL, ZL, XL, A
KA-MT 1	GL2	CP1008_	KA-MT 6	GL5	CP2010_
KA-MT 2	GL2	CP1008_	KA-MT 7	GL5	CP2010_
KA-MT 3	GL2	CP1008_	KA-MT 8	GL7	CP2020_
KA-MT 4	GL2	CP1008_			

The code spacing_ should contain the filter element grade required. Example: Filter GL2XL containing filter-element CP1008XL.

Loose accessories

Order-No.	Use	Suitable for	Order-No.	Use	Suitable for
VASRGR/K1-K8	Purge air return-line	KA-MT 1 to KA-MT 8	VASVPB/K1-K4/08	Starting device G1/4i	KA-MT 1 to KA-MT 4
VASDPDP/K1-K95	Dew-point measurement	KA-MT 1 to KA-MT 95	VASVPB/K6-K7/15	Starting device G1/2i	KA-MT 6 to KA-MT 7
VASMBS420	Signal Splitter 4-20mA	KA-MT 1 to KA-MT 95	VASVPB/K8/20	Starting device G3/4i	KA-MT 8
VASNOZ/K1-K95	Nozzle-kit	KA-MT 1 to KA-MT 95	VASFS3/K1-K4	Fine filter silencer	KA-MT 1 to KA-MT 4
VASSDD08/15	Filter silencer	KA-MT 1 to KA-MT 8	VASFS5/K6-K8	Fine filter silencer	KA-MT 6 to KA-MT 8



KA-MT 1-8 Series

GENERATION 1
From 05/2003 to 06/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 and 36 month interval

- Material required:
- Service-kit, perforated plate gaskets (RKA), filter-element, silencer, DESPACs
- Service-kit contents:
- Re-set module
- Service-kit contents RKA:
- Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals
- Options:
- Dew-point sensor ZHM 100/450, indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit		Filter-element	Silencer	
KA-MT 1-4	K-MT12A	RKA1-A4	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450
KA-MT 6-8	K-MT12A	RKA6-A8			

24 month interval

- Material required:
- Service-kit, perforated plate gaskets (RKA) silencers, filter elements, DESPACs see opposite page
- Service-kit contents:
- Re-set module, wear part set for in- and outlet-valves
- Service-kit contents RKA:
- Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals
- Options:
- Dew-point sensor ZHM100/450, indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit		Filter-element	Silencer	
KA-MT 1-4	K-MT24A	RKA1-A4	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450
KA-MT 6-8		RKA6-A8			

48 month interval

- Material required:
- Service-kit, perforated plate gasket (RKA) silencers, filter elements, DESPACs
- Service-kit contents:
- Re-set module, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return valves, 2 demisters
- Service-kit contents RKA:
- Filter elements for after-filter, 2 x perforated plate gasket with foamed seals
- Options:
- Dew-point sensor ZHM100/450, indicator-tube P02/ZR

KA-MT	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit		Filter-element	Silencer	
KA-MT 1-4	K-MT48A	RKA1-A4	See replacement filter elements on opposite page	VASSDD08/15	ZHM100/450
KA-MT 6-8	K-MT48B	RKA6-A8			

KA-MT 1-8 Series

GENERATION 1
From 05/2003 to 6/2011

DESPACs 12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

Order-No.	KA-MT 1	KA-MT 2	KA-MT 3	KA-MT 4	KA-MT 6	KA-MT 7	KA-MT 8
DESPAC3AK	1	1	1	1	2	2	
DESPAC10AK							1

48 month interval

Content DESPAC: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	KA-MT 1	KA-MT 2	KA-MT 3	KA-MT 4	KA-MT 6	KA-MT 7	KA-MT 8
DESPAC1MS	1		1		1		
DESPAC4MS		1	1	2	3	4	1
DESPAC15MS							1

Replacement filter elements for pre- and after filters

KA-MT	Options - Order-No.		KA-MT	Options - Order-No.	
Product Code	Filter Housing Code	Element Grade V, ZP, XP, A	Product Code	Filter Housing Code	Element Grade V, ZP, XP, A
KA-MT 1	G2	1030_	KA-MT 6	G5	1070_
KA-MT 2	G2	1030_	KA-MT 7	G5	1070_
KA-MT 3	G2	1030_	KA-MT 8	G7	1140_
KA-MT 4	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

Loose accessories

Order-No.	Use	Suitable for	Order-No.	Use	Suitable for
VASRGR/K1-K8	Purge air return-line	KA-MT 1 to KA-MT 8	VASVPB/K1-K4/08	Starting device G1/4i	KA-MT 1 to KA-MT 4
VASDPDP/K1-K95	Dew-point measurement	KA-MT 1 to KA-MT 95	VASVPB/K6-K7/10	Starting device G3/8i	KA-MT 6 to KA-MT 7
VASMBMS420	Signal Splitter 4-20mA	KA-MT 1 to KA-MT 95	VASVPB/K6-K7/15	Starting device G1/2i	KA-MT 8
VASNOZ/K1-K95	Nozzle-kit	KA-MT 1 to KA-MT 95	VASFSS3/K1-K4	Fine filter silencer	KA-MT 1 to KA-MT 4
VASSDD08/15	Silencer	KA-MT 1 to KA-MT 8	VASFSS5/K6-K8	Fine filter silencer	KA-MT 6 to KA-MT 8



KMA 5-115 Series

GENERATION 0
Up to mid. 2003

Generation 0 dryers should be converted once to the latest technical specification using the following retrofit kits.

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

Update-kit

Suitable for	Order-No.	Replaceable contents
KMA 5 to KMA 35	UKKM5-35	Solenoid valve plate incl. seals + cable + socket-coupling + silencer
KMA 5 to KMA 35	UKKM5-35/RV	Non-return valve plate incl. seals
KMA 75 to KMA 115	UKKM75-115	Solenoid valve plate incl. seals + cable + socket-coupling + silencer
KMA 75 to KMA 115	UKKM75-115/RV	Non-return valve plate incl. seals

Update-kit Multitronic

Suitable for	Order-No.	Replaceable contents
KMA 5 bis KMA 115	UKMT-230-ZHM	Multitronic + cable + ZHM100 + measuring chamber
KMA 5 bis KMA 115	UKMT-230	Multitronic + cable

After updated to the Multitronic controller, every 12 month the following service kit is required

KMA 5-KMA 115	K-MT12A	Reset-modul
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12 and 36 month interval

Material required: Filter-element, perforated plate gaskets (AKMKIT) silencers, DESPACs
Service-kit contents: -
Service-kit contents AKMKIT: Filter elements for after-filter, 2 x perforated plates gaskets with foamed seals
Options: Dew-point sensor*, indicator-tube P02/ZR

KMA	Material required - Order-No.			Options - Order-No.		
Product Code	Service-kit		Filterelemente	Schalldämpfer	Others	
KMA 5-35		AKMKIT1	See replacement filter elements on opposite page	VASSDD08/15	Dew-point sensor*	P02/ZR
KMA 75-115		AKMKIT2				

* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

24 month interval

Material required: Service-kit, filter elements, perforated plate gaskets (AKMKIT), silencers, DESPACs see opposite page
Service-kit contents Wear part set for in- and outlet-valves
Service-kit contents AKMKIT: Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals
Options: Dew-point sensor, indicator-tube P02/ZR

KMA	Material required - Order-No.			Options - Order-No.		
Product Code	Service-kit		Filterelemente	Schalldämpfer	Others	
KMA 5-35	KM24A-UG	AKMKIT1	See replacement filter elements on opposite page	VASSDD08/15	Dew-point sensor*	P02/ZR
KMA 75-115		AKMKIT2				

* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

KMA 5-115 Series

GENERATION 0
Up to mid. 2003

48 month interval

Material required: Service-kit, filter elements, silencers, DESPACs see below
Service-kit contents: Perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return valves
Service-kit contents AK: Filter elements for after-filter, 2 x perforated plates gaskets with foamed seals
Options: Dew-point sensor, indicator-tube P02/ZR

KMA	Material required - Order-No.			Options - Order-No.		
Product Code	Service-kit		Filter elements	Silencer	Others	
KMA 5-35	KM48A-UG	AKMKIT1	See replacement filter elements on opposite page	VASSDD08/15	Dew-point sensor*	P02/ZR
KMA 75-115	KM48B-UG	AKMKIT2				

* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

DESPACs

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

Order-No.	KMA 5	KMA 10	KMA 25	KMA 35	KMA 75	KMA 95	KMA 115
DESPAC3AK	1	1	1	1	2	2	
DESPAC10AK							1

48 month interval

Content DESPAC: Molecular sieve in 1 kg, 4 kg or 15 kg packs

Order-No.	KMA 5	KMA10	KMA25	KMA35	KMA75	KMA95	KMA115
DESPAC1MS	1		1			2	
DESPAC4MS		1	1	2			2
DESPAC15MS					1	1	1

Replacement filter elements for pre- and after filters

KMA	Options - Order-No.		KMA	Options - Order-No.	
Product code	Filter housing code	Element grade V, ZP, XP, A	Product code	Filter housing code	Element grade V, ZP, XP, A
KMA 5	G2	1030_	KMA 75	G5	1070_
KMA 10	G2	1030_	KMA 95	G5	1070_
KMA 25	G2	1030_	KMA 115	G7	1140_
KMA 35	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

Heatless Adsorption Dryers

KA-MT 10-95, KEA-MT 10-95,
KEA 200-1400 Series



KA-MT 10-95 Series

GENERATION 2
from 07/2011 to present



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter-elements, pilot valves
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KA-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit			Others	
KA-MT 10-20	SKK10-K20/D2/12			ZHM100/450	P02/ZR
KA-MT 25	SKK25/D2/12				
KA-MT 35	SKK35/D2/12				
KA-MT 45	SKK45/D2/12				
KA-MT 60-75	SKK60-K75/D2/12				
KA-MT 95	SKK95/D2/12				

24 and 48 month interval

Material required: Service-kit,
48-month interval: Also DESMIX packs (see on opposite page)
Service-kit contents: Re-set module, silencer, filter-elements, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) for solenoid valve block
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KA-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit			Others	
KA-MT 10-20	SKK10-K20/D2/24			ZHM100/450	P02/ZR
KA-MT 25	SKK25/D2/24				
KA-MT 35	SKK35/D2/24				
KA-MT 45	SKK45/D2/24				
KA-MT 60-75	SKK60-K75/D2/24				
KA-MT 95	SKK95/D2/24				

KA-MT 10-95 Series

GENERATION 2
from 07/2011 to present

DESPAC 12, 24, 36, 48 month interval

Content **DESPAC**: Activated carbon in 3 kg or 10 kg packs

Order No.	KA-MT 10	KA-MT 15	KA-MT 20	KA-MT 25	KA-MT 35	KA-MT 45	KA-MT 60	KA-MT 75	KA-MT 95
DESPAC3AK		1	2	1		2			
DESPAC10AK	1	1	1	2	3	3	5	7	9

DESMIX 48 month interval

Content **DESMIX**: Molecular sieve in 1 kg, 4 kg, 15 kg, or 140 kg packs

Model	Order No.	Model	Order No.
KA-MT 10	K-MT10DESMIX	KA-MT 35	K-MT35DESMIX
KA-MT 15	K-MT15DESMIX	KA-MT 45 and KA-MT 60	K-MT60DESMIX
KA-MT 20	K-MT20DESMIX	KA-MT 75	K-MT75DESMIX
KA-MT 25	K-MT25DESMIX	KA-MT 95	K-MT95DESMIX

Replacement filter elements for pre- and afterfilters (elements are included in the Service-kit)

KA-MT	Options - Order No.		KA-MT	Options - Order No.	
Model	Filter housing code	Element grade VL, ZL, XL, A	Model	Filter housing code	Element grade VL, ZL, XL, A
KA-MT 10	GL9	CP3025_	KA-MT 45	GL12	CP4040_
KA-MT 15	GL9	CP3025_	KA-MT 60	GL13	CP4050_
KA-MT 20	GL9	CP3025_	KA-MT 75	GL13	CP4050_
KA-MT 25	GL11	CP3040_	KA-MT 95	GL14	CP4065_
KA-MT 35	GL11	CP3040_			

The code spacing_ should contain the filter-element grade required. Example: Filter GL9XL containing filter-element CP3025XL.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KA-MT 10 - KA-MT 95	VASDPDP/K1-K95	Dew-point measurement	KA-MT 10 - KA-MT 20	VASVPB/K10-K20/25	Start-up device G1i
KA-MT 10 - KA-MT 95	VASMBS420	Signal doppler 4-20 mA	KA-MT 25 - KA-MT 45	VASVPB/K25-K45/40	Start-up device G1 1/2i
KA-MT 10 - KA-MT 15	VASFS5/K10-K15	Fine filter silencer	KA-MT 60 - KA-MT 75	VASVPB/K60-K75/50	Start-up device G2i
KA-MT 20 - KA-MT 25	VASFS5/K20-K25	Fine filter silencer	KA-MT 95	VASVPB/K95/65	Start-up device G2 1/2i
KA-MT 35 - KA-MT 60	VASFS5/K35-K60	Fine filter silencer	KA-MT 10 - KA-MT 75	VASRGR/K10-K75	Regeneration gas recirculation
KA-MT 75 - KA-MT 95	VASFS5/K75-K95	Fine filter silencer	KA-MT 95	VASRGR/K95	Regeneration gas recirculation
			KA-MT 10 - KA-MT 95	VASNOZ/K1-K75	Nozzle-kit



KEA-MT 10-95 Series

GENERATION 1
from 04/2007 to 07/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 and 36 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)
Service-kit contents: Re-set module, pilot valves
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KEA-MT	Material required - Order No.				Options - Order No.	
Model	Service-kit		Filter-elements	Silencer	Others	
KEA-MT 10-25	KE-MT12A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450	P02/ZR
KEA-MT 35-60				SDD-40/AL		
KEA-MT 75-95				SDD-50/AL		

24 and 48 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)
48-month interval: Also DESMIX packs (see on opposite page)
Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves
O-ring sets (internal/external) for solenoid valve block, pilot valves, solenoid coils 230V
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KEA-MT	Material required - Order No.				Options - Order No.	
Model	Service-kit		Filter-elements	Silencer	Others	
KEA-MT 10-25	KE-MT24A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450	P02/ZR
KEA-MT 35-60				SDD-40/AL		
KEA-MT 75-95				SDD-50/AL		

KEA-MT 10-95 Series

GENERATION 1
from 04/2007 to 7/2011

DESPAC

12, 24, 36, 48 month interval

Content **DESPAC**: Activated carbon in 3 kg or 10 kg packs

Order No.	KEA-MT 10	KEA-MT 15	KEA-MT 20	KEA-MT 25	KEA-MT 35	KEA-MT 45	KEA-MT 60	KEA-MT 75	KEA-MT 95
DESPAC3AK		1	2	1		3	3	1	
DESPAC10AK	1	1	1	2	3	3	5	6	8

DESMIX

48 month interval

Content **DESMIX**: Molecular sieve in 1 kg, 4 kg, 15 kg, or 140 kg packs and dust sieve

Model	Order No.	Model	Order No.
KEA-MT 10	KE-MT10DESMIX	KEA-MT 35	KE-MT35DESMIX
KEA-MT 15	KE-MT15DESMIX	KEA-MT 45 and KEA-MT 60	KE-MT60DESMIX
KEA-MT 20	KE-MT20DESMIX	KEA-MT 75	KE-MT75DESMIX
KEA-MT 25	KE-MT25DESMIX	KEA-MT 95	KE-MT95DESMIX

Replacement filter elements for pre- and after filters

KEA-MT	Options - Order No.		KEA-MT	Options - Order No.	
Model	Filter housing code	Element grade V, ZP, XP, A	Model	Filter housing code	Element grade V, ZP, XP, A
KEA-MT 10	G9	2010_	KEA-MT 45	G12	2030_
KEA-MT 15	G9	2010_	KEA-MT 60	G13	2050_
KEA-MT 20	G11	2020_	KEA-MT 75	G14	3050_
KEA-MT 25	G11	2020_	KEA-MT 95	G14	3050_
KEA-MT 35	G12	2030_			

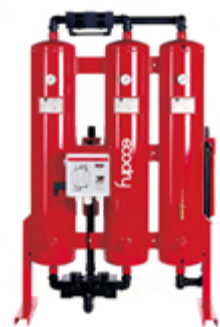
The code spacing_ should contain the filter-element grade required. Example: Filter G9XP containing filter-element 2010XP.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KEA-MT10-KEA-MT95	VASDPDP/K1-K95	Dew-point measurement	KEA-MT10 - KEA-MT25	VASVPB/K10-K20/25	Start-up device G1i
KEA-MT10-KEA-MT95	VASMBBS420	Signal doppler 4-20 mA	KEA-MT35 - KEA-MT60	VASVPB/K25-K45/40	Start-up device G1 1/2i
KEA-MT10-KEA-MT15	VASFSS/K10-K15	Fine filter silencer	KEA-MT75 - KEA-MT95	VASVPB/K60-K75/50	Start-up device G2i
KEA-MT20-KEA-MT25	VASFSS/K20-K25	Fine filter silencer	KEA-MT10 - KEA-MT75	VASRGR/K10-K75	Regeneration gas recirculation
KEA-MT35-KEA-MT60	VASFSS/K35-K60	Fine filter silencer	KEA-MT95	VASRGR/K95	Regeneration gas recirculation
KEA-MT75-KEA-MT95	VASFSS/K75-K95	Fine filter silencer	KEA-MT10 - KEA-MT95	VASNOZ/K1-K75	Nozzle-kit

KEA-MT 200-1400 Series

GENERATION 0
5/2003 to 4/2007



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 and 36 month interval

Material required: Service-kit, silencer, filter-elements
Service-kit contents: Re-set module, pilot valves
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KEA-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit		Filter-elements	Silencer	Others
KEA-MT 200-500	KE-MT12A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450 P02/ZR
KEA-MT 600-1150				SDD-40/AL	
KEA-MT 1400				SDD-50/AL	

24 and 48 month interval

Material required: Service-kit, silencer, filter-elements
48-month interval: Also DESMIX packs (see on opposite page)
Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves
O-ring sets (internal/external) for solenoid valve block, pilot valves, solenoid coils 230V
Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

KEA-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit		Filter-elements	Silencer	Others
KEA-MT 200-500	KE-MT24A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450 P02/ZR
KEA-MT 600-1150				SDD-40/AL	
KEA-MT 1400				SDD-50/AL	

KEA-MT 200-1400 Series

GENERATION 0
5/2003 to 4/2007

DESPAC

12, 24, 36, 48 month interval

Content **DESPAC**: Activated carbon in 3 kg or 10 kg packs

Order No.	KEA-MT 200	KEA-MT 300	KEA-MT 400	KEA-MT 500	KEA-MT 600	KEA-MT 800	KEA-MT 1150	KEA-MT 1400
DESPAC3AK	1	3	1	1	1	2	1	-
DESPAC10AK	1	1	2	2	3	4	6	8

DESMIX

48 month interval

Content **DESMIX**: Molecular sieve in 1 kg, 4 kg, 15 kg, or 140 kg packs and dust sieve

Model	Order No.	Model	Order No.
KEA-MT 200	KE200DESMIX	KEA-MT 600	KE600DESMIX
KEA-MT 300	KE300DESMIX	KEA-MT 800	KE800DESMIX
KEA-MT 400	KE400DESMIX	KEA-MT 1150	KE1150DESMIX
KEA-MT 500	KE500DESMIX	KEA-MT 1400	KE1400DESMIX

Replacement filter elements for pre- and after filters

KEA-MT	Options - Order No.		KEA-MT	Options - Order No.	
Model	Filter housing code	Element grade V, ZP, XP, A	Model	Filter housing code	Element grade V, ZP, XP, A
KEA-MT 200	G9	2010_	KEA-MT 600	G12	2030_
KEA-MT 300	G9	2010_	KEA-MT 800	G12	2030_
KEA-MT 400	G11	2020_	KEA-MT 1150	G13	2050_
KEA-MT 500	G11	2020_	KEA-MT 1400	G14	3050_

The code spacing_ should contain the filter-element grade required. Example: Filter G9XP containing filter-element 2010XP.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
KEA-MT200-KEA-MT400	VASDPDP/K1-K95	Dew-point measurement	KEA-MT200-KEA-MT500	VASVPB/K10-K2/25	Start-up device G1i
KEA-MT200-KEA-MT1400	VASMBS420	Signal doppler 4-20 mA	KEA-MT600-KEA-MT1150	VASVPB/K25-K45/40	Start-up device G1 1/2i
KEA-MT200-KEA-MT300	VASFS5/K10-K15	Fine filter silencer	KEA-MT1400	VASVPB/K60-K75/50	Start-up device G2i
KEA-MT400-KEA-MT500	VASFS5/K20-K25	Fine filter silencer	KEA-MT200-KEA-MT1150	VASRGR/K10-K75	Regeneration gas recirculation
KEA-MT600-KEA-MT1150	VASFS5/K35-K60	Fine filter silencer	KEA-MT1400	VASRGR/K95	Regeneration gas recirculation
KEA-MT1400	VASFS5/K75-K95	Fine filter silencer	KEA-MT200-KEA-MT1400	VASNOZ/K1-K75	Nozzle-kit

Breathing Air Systems BSP-MT

BSP-MT 1-8, BS(P)-MT 1-8, BS(P) 5-115 Series





BSP-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit: Re-set module, silencer, filter-elements, perforated plate gaskets
Options: Dew point sensor ZHM100/450

BSP-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit			Others	
BSP-MT 1-4	SKK1-K4/BP2/12			ZHM100/450	
BSP-MT 6-7	SKK6-K7/BP2/12				
BSP-MT 8	SKK8/BP2/12				

24 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencer, filter-elements, wear part sets for in-/outlet-valves
Options: Dew point sensor ZHM100/450

BSP-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit			Others	
BSP-MT 1-4	SKK1-K4/BP2/24			ZHM100/450	
BSP-MT 6-7	SKK6-K7/BP2/24				
BSP-MT 8	SKK8/BP2/24				

48 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencer, filter-elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part sets for in-/outlet-valves, non-return valves, 2 demister pads
Options: Dew point sensor ZHM100/450

BSP-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit			Others	
BSP-MT 1-4	SKK1-K4/BP2/48			ZHM100/450	
BSP-MT 6-7	SKK6-K7/BP2/48				
BSP-MT 8	SKK8/BP2/48				



BSP-MT 1-8 Series

GENERATION 2
From 07/2011 to the present day

DESPACs 12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

Vessel	Order-No.	BSP-MT 1	BSP-MT 2	BSP-MT 3	BSP-MT 4	BSP-MT 6	BSP-MT 7	BSP-MT 8
Dryer (Vessel 1+2)	DESPAC2EF	1	2	3	4	7	9	11
	DESPAC3AK	1	1	1	1	1	2	2
	DESPAC1KTY	1	2	3	4	7	8	
Purifier (Vessel 3)	DESPAC4KTY							1

Replacement filter-elements for pre- and after filters (filter-elements are included in the service-kit)

BSP-MT		Order-No.	BSP-MT		Order-No.
Model	Filter housing size	Element grade VL, ZL, XL, A	Model	Filter housing size	Element grade VL, ZL, XL, A
BSP-MT 1	GL2	CP1008_	BSP-MT 6	GL5	CP2010_
BSP-MT 2	GL2	CP1008_	BSP-MT 7	GL5	CP2010_
BSP-MT 3	GL2	CP1008_	BSP-MT 8	GL7	CP2020_
BSP-MT 4	GL2	CP1008_			

The code spacing_ should contain the filter-element grade required. Example: Filter GL2XL containing filter-element CP1008XL
An XL-grade pre-filter element and a ZL-grade element as well as the ZL-grade after-filter element are already included in the service-kit as standard.

Loose accessories

Order-No.	Use	Suitable for	Order-No.	Use	Suitable for
VASRGR/K1-K8	Balance-line	BSP-MT 1 - BSP-MT 8	VASSDD08/15	Silencer	BSP-MT 1 - BSP-MT 8
VASDPDP/K1-K95	Dew point measurement	BSP-MT 1 - BSP-MT 95	VASFS3/K1-K4	Fine filter silencer	BSP-MT 1 - BSP-MT 4
VASMBS420	Signal Splitter 4-20 mA	BSP-MT 1 - BSP-MT 95	VASFS5/K6-K8	Fine filter silencer	BSP-MT 6 - BSP-MT 8
VASNOZ/K1-K95	Nozzle-kit	BSP-MT 1 - BSP-MT 95			



BS(P)-MT 1-8 Series

GENERATION 1
From 05/2003 to 06/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

12 , 24 and 36 month interval

- Benötigtes Material:
- Service-kit, perforated plate gaskets (RKKMT und RKA), filter elements, silencer, DESPACs see opposite page
- Service-kit contents:
- Re-set module, wear part sets for in-/outlet-valves
- Service-kit RKA:
- 2x perforated plate gaskets single profile
- Service-kit RKKMT:
- 2x perforated plate gaskets double profile
- Options:
- Dew point sensor ZHM 100/450

BS(P)-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit		Filter-element	Silencer	Others
BS(P)-MT 1-4	K-MT24A	RKA1-A4	See replacement filter-elements on opposite page	VASSDD08/15	ZHM100/450
		RKKMT1-K4			
BS(P)-MT 6-8		RKA6-A8			
		RKKMT6-K8			

48 month interval

- Material required:
- Service-kit, perforated plate gaskets (RKA), filter elements, silencer, DESPACs see opposite page
- Service-kit contents:
- Re-set module, perforated plates, perforated plate gaskets double profile, solenoid coils 230V, wear part sets for in-/outlet-valves, non-return valves, 2 demister pads
- Service-kit RKA contents:
- 2x perforated plate gaskets single profile
- Options:
- Dew point sensor ZHM 100/450

BS(P)-MT	Material required - Order-No.			Options - Order-No.	
Model	Service-kit		Filter-element	Silencer	Others
BS(P)-MT 1-4	K-MT48A	RKA1-A4	See replacement filter-elements on opposite page	VASSDD08/15	ZHM100/450
BS(P)-MT 6-8	K-MT48B	RKA6-A8			

BS(P)-MT 1-8 Series

GENERATION 1
From 05/2003 to 6/2011

DESPACs 12, 24, 36, 48 month interval

DESPACs content: Adsorbent packages

Vessel	Order-No.	BS(P)-MT 1	BS(P)-MT 2	BS(P)-MT 3	BS(P)-MT 4	BS(P)-MT 6	BS(P)-MT 7	BS(P)-MT 8
Dryer (Vessel 1+2)	DESPAC2EF	1	2	3	4	7	9	11
	DESPAC3AK	1	1	1	1	1	2	2
Purifier (Vessel 3)	DESPAC1KTY	1	2	3	4	7	8	
	DESPAC4KTY							1

Replacement filter-elements for pre- and after filters

BS(P)-MT		Order-No.	BS(P)-MT		Order-No.
Model	Filter housing size	Element grade V, ZP, XP, A	Model	Filter housing size	Element grade V, ZP, XP, A
BS(P)-MT 1	G2	1030_	BS(P)-MT 6	G5	1070_
BS(P)-MT 2	G2	1030_	BS(P)-MT 7	G5	1070_
BS(P)-MT 3	G2	1030_	BS(P)-MT 8	G7	1140_
BS(P)-MT 4	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP
BS-MT: an XP-grade pre-filter element and a V-grade after-filter element are standard.
BSP-MT: an ZP-grade pre-filter element and a XP-grade element as well as the V-grade after-filter element are standard.

Loose accessories

Order-No.	Use	Suitable for	Order-No.	Use	Suitable for
VASRGR/K1-K8	Balance-line	BSP-MT 1 - BSP-MT 8	VASSDD08/15	Silencer	BSP-MT 1 - BSP-MT 8
VASPDPA/K1-K95	Dew point measurement	BSP-MT 1 - BSP-MT 95	VASFS3/K1-K4	Fine filter silencer	BSP-MT 1 - BSP-MT 4
VASMBS420	Signal Splitter 4-20 mA	BSP-MT 1 - BSP-MT 95	VASFS5/K6-K8	Fine filter silencer	BSP-MT 6 - BSP-MT 8
VASNOZ/K1-K95	Nozzle-kit	BSP-MT 1 - BSP-MT 95			



BS(P) 5-115 Series

GENERATION 0
Up to mid. 2003

Generation 0 dryers should be updated once to the latest technical specification using the following retrofit kits.

For the maintenance of the updated series, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

Update-kit

Suitable for	Order-No.	Replaceable contents
BS(P) 5 to BS(P) 35	UKKM5-35	Solenoid valve plate incl. seals + cable + socket-coupling
BS(P) 5 to BS(P) 35	UKKM5-35/RV	Non-return valve plate incl. seals
BS(P) 75 to BS(P) 115	UKKM75-115	Solenoid valve plate incl. seals + cable + socket-coupling
BS(P) 75 to BS(P) 115	UKKM75-115/RV	Non-return valve plate incl. seals

Update-kit Multitronic

Suitable for	Order-No.	Replaceable contents
BS(P) 5 to BS(P) 115	UKMT-230-ZHM	Multitronic + cable + ZHM100 + measuring chamber
BS(P) 5 to BS(P) 115	UKMT-230	Multitronic + cable

After the conversion of the current control Multitronic every 12 month is the following service kit required		
BS(P) 5 to BS(P) 115	K-MT12A	Re-set module

12, 24 and 36 month interval

Material required: Service-kit, silencer, perforated plate gaskets, filter-elements, DESPACs see on opposite page
Service-kit contents: wear part sets for in-/outlet-valves
AKMKIT contents: 2x perforated plate gaskets single profile
Options: Dew point sensor* (*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

BS(P)	Material required - Order-No.				Options-No.	
Model	Service-kit		Filter-elements	Silencer	Others	
BS(P) 5 to 35	KM24A-UG	3 X	AKMKIT1	VASSDD08/15	Dew point sensor*	
BS(P) 75 to 115		3 X	AKMKIT2			

BS(P) 5-115 Series

GENERATION 0
Up to mid. 2003

48 month interval

Material required: Service-kit, perforated plate gaskets, filter elements, silencer, DESPACs see below
Service-kit Contents: 4 x perforated plate gaskets single profile, solenoid coils 230V, wear part sets for in-/outlet-valves, re-set module, non-return valves
AKMKIT Contents: 2 x perforated plate gaskets single profile
Options: Dew point sensor

BS(P)	Material required - Order-No.				Options-No.	
Model	Service-kit		Filter-elements	Silencer	Others	
BS(P) 5-35	KM48A-UG	1 x	AKMKIT1	VASSDD08/15	Dew point sensor*	
BS(P) 75-115	KM48B-UG	1 x	AKMKIT2			

*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.

DESPACs 12, 24, 36, 48 month interval

DESPAC contents: Adsorbent packages

Vessel	Order-No.	BS(P) 5	BS(P) 10	BS(P) 25	BS(P) 35	BS(P) 75	BS(P) 95	BS(P) 115
Dryer (Vessel 1+2)	DESPAC2EF	1	2	3	4	1		1
	DESPAC6EF					2	3	
	DESPAC20EF							1
Purifier (Vessel 3)	DESPAC3AK	1	1	1	1	1	2	2
	DESPAC1KTY	1	2	3	4	7	9	1
	DESPAC4KTY							1

Replacement filter-elements for pre- and after filters

BS(P)	Order-No.		BS(P)	Order-No.	
Model	Filter housing size	Element grade V, ZP, XP, A	Model	Filter housing size	Element grade V, ZP, XP, A
BS(P) 5	G2	1030_	BS(P) 75	G5	1070_
BS(P) 10	G2	1030_	BS(P) 95	G5	1070_
BS(P) 25	G2	1030_	BS(P) 115	G7	1140_
BS(P) 35	G2	1030_			

The code spacing_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP
BS: an XP-grade pre-filter element and a ZP-grade after-filter element are standard.
BSP: an ZP-grade pre-filter element and a XP-grade element as well as the ZP-grade after-filter element are already included in the service-kit as standard.

BSP-MT

Compressed air treatment system

BSP-MT 10-95, BS(P)-MT 10-95,
BS(P)-MT 200-1400, BS(P) 200-1400 Series



BSP-MT 10-95 Series

GENERATION 2
from 07/2011 to present



Service Kits for 12/36, 24/48 months are required for servicing this series, along with other components as stated. In addition, it is necessary to replace the adsorbent (see DESPACs) every 12 months.

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter-elements, pilot valves
Options: Dew-point sensor ZHM100/450

BSP-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit			Others	
BSP-MT 10-20	SKK10-K20/BP2/12			ZHM100/450	
BSP-MT 25	SKK25/BP2/12				
BSP-MT 35	SKK35/BP2/12				
BSP-MT 45	SKK45/BP2/12				
BSP-MT 60-75	SKK60-K75/BP2/12				
BSP-MT 95	SKK95/BP2/12				

24 and 48 month interval

Materials Required: Service Kit,
Service-kit contents: Re-set module, silencer, filter elements, wear part set for in- and outlet-valves, non-return-valves, solenoid coils 230V, O-ring sets (internal/external) for solenoid valve block
Options: Dew-point sensor ZHM100/450

BSP-MT	Material required - Order No.			Options - Order No.	
Model	Service-kit			Others	
BSP-MT 10-20	SKK10-K20/BP2/24			ZHM100/450	
BSP-MT 25	SKK25/BP2/24				
BSP-MT 35	SKK35/BP2/24				
BSP-MT 45	SKK45/BP2/24				
BSP-MT 60-75	SKK60-K75/BP2/24				
BSP-MT 95	SKK95/BP2/24				

BSP-MT 10-95 Series

GENERATION 2
from 07/2011 to present

DESPAC
12, 24, 36, 48 month interval
Content DESPAC: Adsorbent packages

Vessel	Order No.	BSP-MT 10	BSP-MT 15	BSP-MT 20	BSP-MT 25	BSP-MT 35	BSP-MT 45	BSP-MT 60	BSP-MT 75	BSP-MT 95
Dryer (Vessel 1+2)	DESPAC6EF	2		1						
	DESPAC20EF	1	2	2	3	4	5	7	9	12
Cleaner (Vessel 3)	DESPAC3AK	2	3		1	2		2		
	DESPAC10AK			1	1	1	2	2	4	5
	DESPAC4KTY	2	2	3	4	6	7	10	14	18
0.4 kg	DESPAC1KTY	1	7	4	5	-	5	2	2	-

Replacement filter elements for pre- and after filters (elements are included in the Service-kit)

BSP-MT	Options - Order No.		BSP-MT	Options - Order No.	
Model	Filter housing code	Element grade VL, ZL, XL, A	Model	Filter housing code	Element grade VL, ZL, XL, A
BSP-MT 10	GL9	CP3025_	BSP-MT 45	GL12	CP4040_
BSP-MT 15	GL9	CP3025_	BSP-MT 60	GL13	CP4050_
BSP-MT 20	GL9	CP3025_	BSP-MT 75	GL13	CP4050_
BSP-MT 25	GL11	CP3040_	BSP-MT 95	GL14	CP4065_
BSP-MT 35	GL11	CP3040_			

The code spacing_ should contain the filter-element grade required. Example: Filter GL9XL containing filter-element CP3025XL
An ZL and XL-grade pre-filter element and a ZL-grade after-filter element are already included in the service kit as standard.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
BSP-MT 10 to 95	VASDPDP/K1-K95	Dewpoint Measurement	BSP-MT 10 to 20	VASVPB/K10-K20/25	Start-up device G1i
BSP-MT 10 to 95	VASMBS420	Signal doppler 4-20 mA	BSP-MT 25 to 45	VASVPB/K25-K45/40	Start-up device G1 1/2i
BSP-MT 10 to 15	VASF5S/K10-K15	Fine filter silencer	BSP-MT 60 to 75	VASVPB/K60-K75/50	Start-up device G2i
BSP-MT 20 to 25	VASF5S/K20-K25	Fine filter silencer	BSP-MT 10 to 75	VASRGR/K10-K75	Regeneration gas recirculation
BSP-MT 35 to 60	VASF5S/K35-K60	Fine filter silencer	BSP-MT 95	VASRGR/K95	Regeneration gas recirculation
BSP-MT 75 to 95	VASF5S/K75-K95	Fine filter silencer			



BS(P)-MT 10-95 Series

GENERATION 1
from 04/2007 to 07/2011

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter-elements, pilot valves
Options: Dew-point sensor ZHM100/450

BS(P)-MT	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P)-MT 10-25	KE-MT12A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P)-MT 35-60				SDD-25/AL	
BS(P)-MT 75-95				SDD-40/AL	

24 and 48 month interval

Materials Required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)
Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) MV block, pilot valves, solenoid coils 230V
Options: Dew-point sensor ZHM100/450

BS(P)-MT	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P)-MT 10-25	KE-MT24A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P)-MT 35-60	KE-MT24B			SDD-25/AL	
BS(P)-MT 75-95				SDD-40/AL	

BS(P)-MT 10-95 Series

GENERATION 1
from 04/2007 to 7/2011

DESPAC
12, 24, 36, 48 month interval
Content DESPAC: Adsorbent packages

Vessel	Order No.	BS(P)-MT 10	BS(P)-MT 15	BS(P)-MT 20	BS(P)-MT 25	BS(P)-MT 35	BS(P)-MT 45	BS(P)-MT 60	BS(P)-MT 75	BS(P)-MT 95
Dryer (Vessel 1+2)	DESPAC6EF	2		1						
	DESPAC20EF	1	2	2	3	4	5	7	9	12
Cleaner (Vessel 3)	DESPAC3AK	2	3	0	1		1	2	1	1
	DESPAC10AK			1	1	2	2	3	4	5
	DESPAC1KTY	1	7	4	5	-	5	2	2	-
	DESPAC4KTY	2	2	3	4	6	7	10	10	18

Replacement filter-elements for pre- and after filters

BS(P)-MT	Options - Order No.		BS(P)-MT	Options - Order No.	
Model	Filter housing code	Element grade V, ZP, XP, A	Model	Filter housing code	Element grade V, ZP, XP, A
BS(P)-MT 10	G9	2010_	BS(P)-MT 45	G12	2030_
BS(P)-MT 15	G9	2010_	BS(P)-MT 60	G13	2050_
BS(P)-MT 20	G11	2020_	BS(P)-MT 75	G14	3050_
BS(P)-MT 25	G11	2020_	BS(P)-MT 95	G14	3050_
BS(P)-MT 35	G12	2030_			

The underscore _ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP
For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and the ZL type postfilter element is used.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
BS(P)-MT10-BS(P)-MT95	VASDPDP/K1-K95	Dewpoint Measurement	BS(P)-MT10-BS(P)-MT25	VASVPB/K10-K20/25	Start-up device G1i
BS(P)-MT10-BS(P)-MT95	VASMBBS420	Signal doppler 4-20 mA	BS(P)-MT35-BS(P)-MT60	VASVPB/K25-K45/40	Start-up device G1 1/2i
BS(P)-MT10-BS(P)-MT15	VASF5/K10-K15	Fine filter silencer	BS(P)-MT75-BS(P)-MT95	VASVPB/K60-K75/50	Start-up device G2i
BS(P)-MT20-BS(P)-MT25	VASF5/K20-K25	Fine filter silencer	BS(P)-MT10-BS(P)-MT75	VASRGR/K10-K75	Regeneration gas recirculation
BS(P)-MT35-BS(P)-MT60	VASF5/K35-K60	Fine filter silencer	BS(P)-MT 95	VASRGR/K 95	Regeneration gas recirculation
BS(P)-MT75-BS(P)-MT95	VASF5/K75-K95	Fine filter silencer			



BS(P)-MT 200-1400 Series

GENERATION 0
from 04/2005 to 04/2007

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter-elements, pilot valves
Options: Dew-point sensor ZHM100/450

BS(P)-MT	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P)-MT 200-500	BS-MT12A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P)-MT 600-1150				SDD-40/AL	
BS(P)-MT 1400				SDD-50/AL	

24 and 48 month interval

Materials Required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)
Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) MV block, pilot valves, solenoid coils 230V
Options: Dew-point sensor ZHM100/450

BS(P)-MT	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P)-MT 200-500	BS-MT48A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P)-MT 600-1150				SDD-40/AL	
BS(P)-MT 1400				SDD-50/AL	

BS(P)-MT 200-1400 Series

GENERATION 0
from 04/2005 to 07/2006

DESPAC
12, 24, 36, 48 month interval
Content DESPAC: Adsorbent packages

Vessel	Order No.	BS(P)-MT 200	BS(P)-MT 300	BS(P)-MT 400	BS(P)-MT 500	BS(P)-MT 600	BS(P)-MT 800	BS(P)-MT 1150	BS(P)-MT 1400
Dryer (Vessel 1+2)	DESPAC6EF	3	2	1	2				
	DESPAC20EF	1	2	3	4	5	8	10	12
Cleaner (Vessel 3)	DESPAC3AK	3		2		1	2	1	1
	DESPAC10AK		1	1	2	2	3	4	5
	DESPAC1KTY	7	4	1	4			4	1
	DESPAC4KTY	1	2	3	4	5	8	9	12

Replacement filter-elements for pre- and after filters

BS(P)-MT	Options - Order No.		BS(P)-MT	Options - Order No.	
Model	Filter housing code	Element grade V, ZP, XP, A	Model	Filter housing code	Element grade V, ZP, XP, A
BS(P)-MT 200	G9	2010_	BS(P)-MT 600	G12	2030_
BS(P)-MT 300	G9	2010_	BS(P)-MT 800	G12	2030_
BS(P)-MT 400	G11	2020_	BS(P)-MT 1150	G13	2050_
BS(P)-MT 500	G11	2020_	BS(P)-MT 1400	G14	3050_

The underscore _ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP
For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and ZL type postfilter elements are used.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
BS(P)-MT200-BS(P)-MT400	VASDPD/K1-K95	Dewpoint Measurement	BS(P)-MT200-BS(P)-MT500	VASVPB/K10-K2/25	Start-up device G1i
BS(P)-MT200-BS(P)-MT1400	VASMB5420	Signal doppler 4-20 mA	BS(P)-MT600-BS(P)-MT1150	VASVPB/K25-K45/40	Start-up device G1 1/2i
BS(P)-MT200-BS(P)-MT300	VASF55/K10-K15	Fine filter silencer	BS(P)-MT1400	VASVPB/K60-K75/50	Start-up device G2i
BS(P)-MT400-BS(P)-MT500	VASF55/K20-K25	Fine filter silencer	BS(P)-MT200-BS(P)-MT1150	VASRGR/K10-K75	Regeneration gas recirculation
BS(P)-MT600-BS(P)-MT1150	VASF55/K35-K60	Fine filter silencer	BS(P)-MT1400	VASRGR/K95	Regeneration gas recirculation
BS(P)-MT1400	VASF55/K75-K95	Fine filter silencer			



BS(P) 200-1400 Series

GENERATION -1
5/2002 to 4/2005

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

Update Kit Multitronic

suitable for	Order No.	Function
BS(P) 200 to BS(P) 1400	UKMT-230-ZHM	Multitronic + ZHM100 + Cable + Measurement chamber
BS(P) 200 to BS(P) 1400	UKMT-230	Multitronic + Cable
After converting to the current Multitronic controls, you need the generation 0 Service Kit		

12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page
Service-kit contents: Re-set module, silencers, filter-elements, pilot valves
Options: Dew-point sensor ZHM100/450

BS(P)	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P) 200-500	BS12A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P) 600-800				SDD-40/AL	
BS(P) 1150-1400				SDD-50/AL	

24 and 48 month interval

Materials required: Service-kit, silencer, filter elements, DESPAC (see adjacent page)
Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) for solenoid valve block, pilot valves, solenoid coils 230V
Options: Dew-point sensor ZHM100/450

BS(P)	Material required - Order No.			Options - Order No.	
Model	Service Kit		Filter elements	Silencer	Others
BS(P) 200-500	BS24A		see replacement filter-elements on the opposite page	SDD-25/AL	ZHM100/450
BS(P) 600-1150	BS24B			SDD-40/AL	
BS(P) 1400				SDD-50/AL	

BS(P) 200-1400 Series

GENERATION -1
5/2002 to 4/2005

DESPAC
12, 24, 36, 48 month interval
Content DESPAC: Adsorbent packages

Vessel	Order No.	BS(P) 200	BS(P) 300	BS(P) 400	BS(P) 500	BS(P) 600	BS(P) 800	BS(P) 1150	BS(P) 1400
Dryer (Vessel 1+2)	DESPAC6EF	3	2	1	2				
	DESPAC20EF	1	2	3	4	5	8	10	12
Cleaner (Vessel 3)	DESPAC3AK	3		2		1	2	1	1
	DESPAC10AK		1	1	2	2	3	4	5
	DESPAC1KTY	7	4	1	4			4	1
	DESPAC4KTY	1	2	3	4	5	8	9	12

Replacement filter-elements for pre- and after filters

BS(P)	Options - Order No.		BS(P)	Options - Order No.	
Model	Filter housing code	Element types V, ZP, XP, A	Model	Filter housing code	Element grade V, ZP, XP, A
BS(P) 200	G9	2010_	BS(P) 600	G12	2030_
BS(P) 300	G9	2010_	BS(P) 800	G12	2030_
BS(P) 400	G11	2020_	BS(P) 1150	G13	2050_
BS(P) 500	G11	2020_	BS(P) 1400	G14	3050_

The underscore _ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP
For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and ZL type postfilter elements are used.

Loose accessories

Suitable for	Order No.	Use	Suitable for	Order No.	Use
BS(P)200-BS(P)400	VASDPDP/K1-K95	Dewpoint Measurement	BS(P)200-BS(P)500	VASVPB/K10-K2/25	Start-up device G1i
BS(P)200-BS(P)1400	VASMBS420	Signal doppler 4-20 mA	BS(P)600-BS(P)1150	VASVPB/K25-K45/40	Start-up device G1 1/2i
BS(P)200-BS(P)300	VASF5/K10-K15	Fine filter silencer	BS(P)1400	VASVPB/K60-K75/50	Start-up device G2i
BS(P)400-BS(P)500	VASF5/K20-K25	Fine filter silencer	BS(P)200-BS(P)1150	VASRGR/K10-K75	Regeneration gas recirculation
BS(P)600-BS(P)1150	VASF5/K35-K60	Fine filter silencer	BS(P)1400	VASRGR/K95	Regeneration gas recirculation
BS(P)1400	VASF5/K75-K95	Fine filter silencer			

Oil-Vapour Adsorbers

AK, AKM, AKN Series





AKM 1-8 Series

GENERATION 2
from 07/2011

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 month interval

Material required:	Service-kit, DESPAC-package(s)
Service-kit contents:	Element for post-filter (Housing-body O-ring included), 2 x perforated-screen with foamed-on gasket
DESPAC-package contents:	Activated carbon available in 3 kg & 10 kg containers
Options:	Indicator-tube P02/ZR

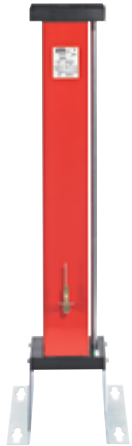
AKM	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	DESPAC	Quantity	Others	
AKM 1	SKA1-A4	DESPAC3AK	1	P02/ZR	
AKM 2	SKA1-A4	DESPAC3AK	1		
AKM 3	SKA1-A4	DESPAC3AK	1		
AKM 4	SKA1-A4	DESPAC3AK	1		
AKM 6	SKA6-A7	DESPAC3AK	2		
AKM 7	SKA6-A7	DESPAC3AK	2		
AKM 8	SKA8	DESPAC10AK	1		

Replacement filter-elements for standard post-filter (Contained in the service-package)

AKM		
Product Code	Filter Product Code	Filter element order no.
AKM 1	GL2	CP1008ZL
AKM 2	GL2	CP1008ZL
AKM 3	GL2	CP1008ZL
AKM 4	GL2	CP1008ZL
AKM 6	GL5	CP2010ZL
AKM 7	GL5	CP2010ZL
AKM 8	GL7	CP2020ZL

Loose accessories

Suitable for	Use	Order No.
AKM 1 to AKM 4	Starting device G1/4i	VASVPB/K1-K4/08
AKM 6 to AKM 7	Starting device G1/2i	VASVPB/K6-K7/15
AKM 8	Starting device G3/4i	VASVPB/K8/20



AKM 1-8 Series

GENERATION 1
from 07/2003 to 06/2011

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. In addition to this, the filter element in the post filter must be replaced. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 month interval

Material required:	Service-kit, DESPAC-package(s)
Service-kit contents:	2 x perforated-screen with foamed-on gasket
DESPAC-package contents:	Activated carbon available in 3 kg & 10 kg containers
Options:	Indicator-tube P02/ZR

AKM	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	DESPAC	Quantity	Others	
AKM 1	RKA1-A4	DESPAC3AK	1	P02/ZR	
AKM 2	RKA1-A4	DESPAC3AK	1		
AKM 3	RKA1-A4	DESPAC3AK	1		
AKM 4	RKA1-A4	DESPAC3AK	1		
AKM 6	RKA6-A8	DESPAC3AK	2		
AKM 7	RKA6-A8	DESPAC3AK	2		
AKM 8	RKA6-A8	DESPAC10AK	1		

Replacement filter-elements for recommended post-filter

AKM		
Product Code	Filter Product Code	Filter element order-no.
AKM 1	G2	1030ZP
AKM 2	G2	1030ZP
AKM 3	G2	1030ZP
AKM 4	G2	1030ZP
AKM 6	G5	1070ZP
AKM 7	G5	1070ZP
AKM 8	G7	1140ZP



AKM 5-115 Series

GENERATION 0
up to 07/2003

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. In addition to this, the filter element in the post filter must be replaced. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

12 month interval

- Material required:
- Service-kit contents:
- DESPAC-package contents:
- Options:
- Service-kit, DESPAC-package(s)
- 2 x perforated-screen with gasket
- Activated carbon available in 3 kg & 10 kg containers
- Indicator-tube P02/ZR

AKM	Material required - Order-No.			Options - Order-No.	
Product Code	Service-kit	DESPAC	Quantity	Others	
AKM 5	AKMKIT1	DESPAC3AK	1 X	P02/ZR	
AKM 10	AKMKIT1	DESPAC3AK	1 X		
AKM 25	AKMKIT1	DESPAC3AK	1 X		
AKM 35	AKMKIT1	DESPAC3AK	1 X		
AKM 75	AKMKIT2	DESPAC3AK	2 X		
AKM 95	AKMKIT2	DESPAC3AK	2 X		
AKM 115	AKMKIT2	DESPAC10AK	1 X		

Replacement filter-elements for recommended post-filter

AKM		
Product Code	Filter Product Code	Filter element order-no.
AKM 5	G2	1030ZP
AKM 10	G2	1030ZP
AKM 25	G2	1030ZP
AKM 35	G2	1030ZP
AKM 75	G5	1070ZP
AKM 95	G5	1070ZP
AKM 115	G7	1140ZP



AKM 10-95 Series

GENERATION 2
from 07/2011

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

12 month interval

- Material required:
- DESPAC-package contents:
- Options:
- Filter-element (Housing-body O-ring included), DESPAC-package(s)
- Activated carbon available in 3 kg & 10 kg containers
- Indicator-tube P02/ZR, Flow-distributor

AKM	Material required - Order-No.			Options - Order-No.	
Product Code	Filter-element for post-filter	DESPAC	Quantities	Others	Flow-distributor
AKM 10	CP3025ZL	DESPAC10AK	1	P02/ZR	RKSCD-G40/16/AL
AKM 15	CP3025ZL	DESPAC3AK DESPAC10AK	1 1		
AKM 20	CP3025ZL	DESPAC3AK DESPAC10AK	2 1		
AKM 25	CP3040ZL	DESPAC3AK DESPAC10AK	1 2		
AKM 35	CP3040ZL	DESPAC10AK	3		RKSCD-G40/16/AL
AKM 45	CP4040ZL	DESPAC3AK DESPAC10AK	1 3		
AKM 60	CP4050ZL	DESPAC10AK	5		
AKM 75	CP4050ZL	DESPAC10AK	7		RKSCD-G50x87x87/16/VA-KE
AKM 95	CP4065ZL	DESPAC10AK	9		



AK 10-95 Series

GENERATION 1
from 07/2007 to 06/2011

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

12 month interval

- Material required:
- DESPAC-package contents:
- Options:
- Filter-element, DESPAC-package(s)
- Activated carbon available in 3 kg & 10 kg containers
- Indicator-tube P02/ZR, Flow-distributor

AK Product Code	Material required – Order No.		Options – Order No.	
	DESPAC	Quantity	Others	Flow-distributor
AK 10	DESPAC10AK	1	P02/ZR	RKSCD-G40/16/AL
AK 15	DESPAC3AK DESPAC10AK	1 1		
AK 20	DESPAC3AK DESPAC10AK	2 1		
AK 25	DESPAC3AK DESPAC10AK	1 2		
AK 35	DESPAC10AK	3		RKSCD-G40/16/AL
AK 45	DESPAC3AK DESPAC10AK	1 3		
AK 60	DESPAC10AK	5		
AK 75	DESPAC10AK	7		RKSCD-G50/16/AL
AK 95	DESPAC10AK	9		

Replacement filter-elements for recommended post-filter

AK			AK		
Product Code	Filter Product Code	Filter-element order no.	Product Code	Filter Product Code	Filter-element order no.
AK 10	G9	2010ZP	AK 45	G12	2030ZP
AK 15	G9	2010ZP	AK 60	G13	2050ZP
AK 20	G11	2020ZP	AK 75	G14	3050ZP
AK 25	G12	2030ZP	AK 95	G14	3050ZP
AK 35	G12	2030ZP			

AKN 200-1400 Series

GENERATION 0
up to 06/2007

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

Intervall 12 Monate

- Material required:
- DESPAC-package contents:
- Options:
- Filter-element, DESPAC-package(s)
- Activated carbon available in 3 kg & 10 kg containers
- Indicator-tube P02/ZR,

AKN Product Code	Material required – Order No.		Options – Order No.
	DESPAC	Quantity	Others
AKN 200	DESPAC3AK DESPAC10AK	1 1	P02/ZR
AKN 300	DESPAC3AK DESPAC10AK	2 1	
AKN 400	DESPAC3AK DESPAC10AK	1 2	
AKN 500	DESPAC10AK	3	
AKN 600	DESPAC3AK DESPAC10AK	1 3	
AKN 800	DESPAC10AK	5	
AKN 1150	DESPAC10AK	7	
AKN 1400	DESPAC10AK	9	

Replacement filter-elements for recommended post-filter

AKN			AKN		
Product Code	Filter-Product Code	Filter - element order no.	Product Code	Filter-Product Code	Filter - element order no.
AKN 200	G9	2010ZP	AKN 600	G12	2030ZP
AKN 300	G9	2010ZP	AKN 800	G13	2050ZP
AKN 400	G11	2020ZP	AKN 1150	G13	2050ZP
AKN 500	G11	2020ZP	AKN 1400	G14	3050ZP





AK 120-600 Series

AKN 2000-10000 Series

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

12 month interval

Material required:

DESPAC-packages contents:

Options:

Filter-element, GASKIT (4 x flat-gaskets), DESPAC-package(s)

Activated carbon available in 3 kg, 10 kg or 90 kg containers,

Filler in 10 kg containers.

Indicator-tube P02/ZR, Flow-distributor

AK/AKN	Material required – Order No.		Options – Order No	
Product Code	DESPAC	Quantity	Others	Flow-distributor
AK 120 AKN 2000	DESPAC3AK DESPAC90AK DESPAC10FD	2 1 3	P02/ZR	RKSCD-F50/16/VA GASKIT 50
AK 150 AKN 2600	DESPAC10AK DESPAC90AK DESPAC10FD	4 1 3		RKSCD-F65/16/VA GASKIT 65
AK 200 AKN 3100	DESPAC90AK DESPAC10FD	2 4		RKSCD-F80/16/VA GASKIT 80
AK 250 AKN 3800	DESPAC10AK DESPAC90AK DESPAC10FD	3 2 5		
AK 300 AKN 5000	DESPAC10AK DESPAC90AK DESPAC10FD	7 2 6		
AK 380 AKN 6000	DESPAC10AK DESPAC90AK DESPAC10FD	5 3 7		RKSCD-F100/16/VA GASKIT 100
AK 500 AKN 8000	DESPAC10AK DESPAC90AK DESPAC10FD	7 4 8		
AK 600 AKN 10000	DESPAC10AK DESPAC90AK DESPAC10FD	8 5 10		RKSCD-F125/16/VA GASKIT 125

Replacement filter-elements for recommended post-filter

Filter-Product Code	Filter-element-Code	Filter-Product Code	Filter-element-Code	Filter-Product Code	Filter-element-Code	Quantity	Filter-Product Code	Filter-element-Code	Quantity
Element Grade V, ZP, XP		Element Grade VL, ZL, XL		Element Grade V, ZP, XP			Element Grade V, ZP, XP		
G12_	2030_	GL12_	CP4040_	F14_	3050_	1	F40_	3075_	4
G13_	2050_	GL13_	CP4050_	F17_	3075_	1	F60_	3075_	6
G14_	3050_	GL14_	CP4065_	F19_	5075_	1	F80_	3075_	8
G17_	3075_	GL17_	CP5065_	F20_	3075_	2	F100_	3075_	10
G18_	5060_	GL19_	CP5080_	F30_	3075_	3	F120_	3075_	12
G19_	5075_								

The code spacing_ should contain the filter-element grade required.

Example: Filter G14XP containing filter-element 3050XP or filter F19XP containing filter-element 5075XP.

The code spacing_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter-element CP4065XL or filter F19XP containing filter-element 5075XP.



ED2000 Series

Condensate drains

For the maintainance of this product range, 12, 24,36 and 48 month service-kits are required together with other components as referenced below.



Interval 12, 24, 36 and 48 months

Material required: Service-kit
Service-kit contents: Membrane, o-rings, top-sealing

Series ED2000		Material required - Order-No.
Type	Pressure range (bar)	Service-kit
ED2010	PN16 - PN50	SKED2010
ED2020	PN16 - PN25	SKED2020-60/25
ED2020	PN40	SKED2020-60/40



ED3000 Series

Condensate drains

For the maintainance of this product range, 12, 24,36 and 48 month service-kits are required together with other components as referenced below.

Interval 12, 24, 36 and 48 months

Material required: Service-kit
Service-kit contents: Membrane, o-rings, dirt-sieve, valve piston, valve spring, condensate outlet
Options: Hose fitting

ED3000 Serie	Material required - Order-No.	Options - Order-No.
Typ	Service-kit	Others
ED3002-3100	SKED3000	ED3-KOND.AUSLAS

System planner for compressed air preparation - purity classes for compressed air

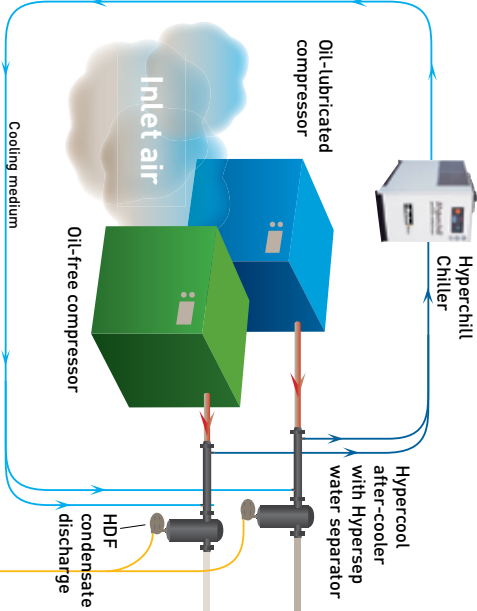
Compressed air generation

Per day a compressor with 1000 m³/h sucks this quantity of pollutants:

- approx. 333 l water (dampness at 25 °C, 60% RH)
- approx. 1 billion solids > 2 µm
- approx. 3500 billion solids < 2 µm
- approx. 2 to 3 g oil vapours

Per day a compressor supplies these 1000 m³/h compressed in the compressed air supply network with:

- 100 % RH (water saturated)
- approx. 3500 billion solids < 2 µm
- approx. 2-72 g oil (for oil-free compressors) or approx. 20-2200 g oil (for oil-lubricated compressors) [in accordance with VDMA 15390:2012 (E)]



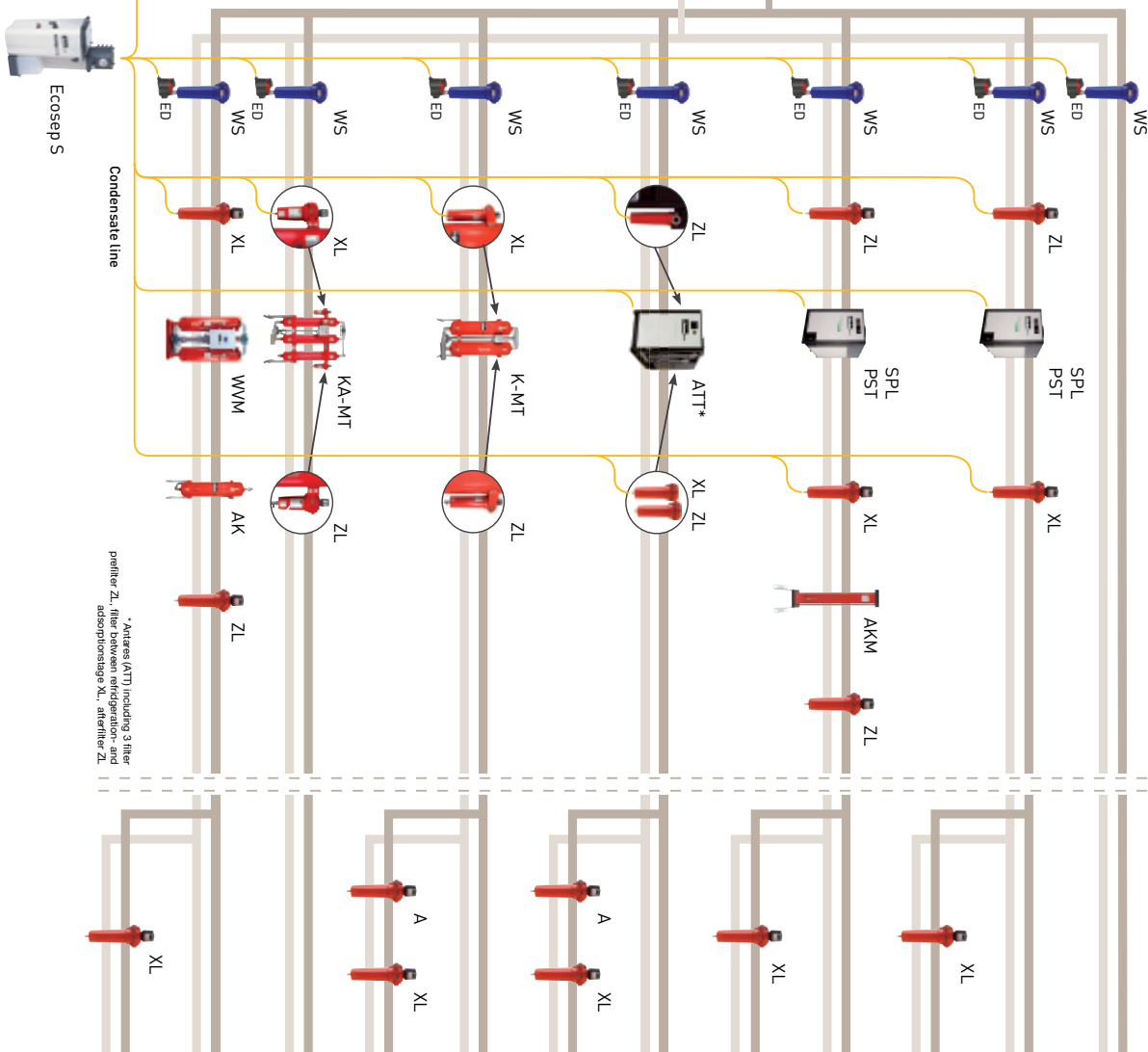
ISO 8573-1:2010

Class	Solid particulate			Water		Oil
	Maximum number of particles per m³	Particle size		(vapour state) pressure dew-point in °C	(liquid) Content in mg/m³	
0	As specified between the supplier and equipment user (better than class 1)	0,1 - 0,5 µm	0,5 - 1 µm	1 - 5 µm		
1	≤ 20.000	≤ 400	≤ 10	≤ -70	≤ 0,01	
2	≤ 400.000	≤ 6.000	≤ 100	≤ -40	≤ 0,1	
3	not agreed	≤ 90.000	≤ 1.000	≤ -20	≤ 1	
4	not agreed	not agreed	≤ 10.000	≤ +3	≤ 5	
5	not agreed	not agreed	≤ 100.000	≤ +7	not agreed	

Reference conditions: 1 bar, 20 °C, 0 % relative humidity, pressure dew-point at compressor end-pressure of 8 bar, 1.

Centralised compressed air preparation

Note: The purity classes under ISO 8573-1 consider a specific measuring point in the compressed air supply network. Components, such as pipes and isolation valves, influence the compressed air quality and must therefore be suitable for achieving a particular purity class. The preparation lines shown are therefore only provided for orientation.



Decentralised compressed air preparation

Particles	Water and moisture	Total oil
-	7-8	-
2	4-6	2
1	4-6	2
2	4-6	1
1	4-6	1
2	1-4	2
1	1-4	1
2	1-2	2
1	1-2	1
2	1-2	1
1	1-2	1

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,
Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt

Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener
Neustadt

Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku

Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles

Tel: +32 (0)67 280 900
parker.belgium@parker.com

BY – Belarus, Minsk

Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy

Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany

Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst

Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup

Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid

Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa

Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve

Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens

Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budapest

Tel: +36 23 885 475
parker.hungary@parker.com

IE – Ireland, Dublin

Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)

Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty

Tel: +7 7272 505 800
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal

Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker

Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira

Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest

Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow

Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga

Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica

Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto

Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul

Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev

Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick

Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park

Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario

Tel: +1 905 693 3000

US – USA, Cleveland

Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

CN – China, Shanghai

Tel: +86 21 2899 5000

HK – Hong Kong

Tel: +852 2428 8008

IN – India, Mumbai

Tel: +91 22 6513 7081-85

JP – Japan, Tokyo

Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul

Tel: +82 2 559 0400

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore

Tel: +65 6887 6300

TH – Thailand, Bangkok

Tel: +662 186 7000-99

TW – Taiwan, Taipei

Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires

Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos

Tel: +55 800 727 5374

CL – Chile, Santiago

Tel: +56 2 623 1216

MX – Mexico, Apodaca

Tel: +52 81 8156 6000