

Breathing Air Systems BSP-MT

BSP-MT 10-95, 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 3 (OIL-X filter)

From 01/2019 to the present day

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 - PMC Order-No.			Options - PMC Order-No.	
Model	Service-kit	Mains voltage		Others	
BSP-MT 10 - 20	SKK10-K20/BP3/12	115V, 230V		ZHM100/450	
BSP-MT 25	SKK25/BP3/12	115V, 230V			
BSP-MT 35	SKK35/BP3/12	115V, 230V			
BSP-MT 45	SKK45/BP3/12	115V, 230V			
BSP-MT 60 - 75	SKK60-K75/BP3/12	115V, 230V			
BSP-MT 95	SKK95/BP3/12	115V, 230V			

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 - PMC Order-No.			Options - PMC Order-No.	
Model	Service-kit	Mains voltage		Others	
BSP-MT 10 - 20	SKK10-K20/BP3/24/115	115V		ZHM100/450	
	SKK10-K20/BP3/24	230V			
BSP-MT 25	SKK25/BP3/24/115	115V			
	SKK25/BP3/24	230V			
BSP-MT 35	SKK35/BP3/24/115	115V			
	SKK35/BP3/24	230V			
BSP-MT 45	SKK45/BP3/24/115	115V			
	SKK45/BP3/24	230V			
BSP-MT 60 - 75	SKK60-K75/BP3/24/115	115V			
	SKK60-K75/BP3/24	230V			
BSP-MT 95	SKK95/BP3/24/115	115V			
	SKK95/BP3/24	230V			

Options : coils only for 50Hz (398H254061)

BSP-MT 10-95 Series

GENERATION 3 (OIL-X filter)
From 01/2019 to the present day



DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

Vessel	PMC 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 (filter elements are included in the service-kit)

BSP-MT	PMC Order-No.					
Model	UPstream Filter 1	Element grade	UPstream Filter 2	Element grade	Downstream Filter	Element grade
BSP-MT 10	AOP025EGFI	P025AO	AAP025EGFI	P025AA	AOP025EGMI	P025AO
BSP-MT 15	AOP025EGFI	P025AO	AAP025EGFI	P025AA	AOP025EGMI	P025AO
BSP-MT 20	AOP025EGFI	P025AO	AAP025EGFI	P025AA	AOP025EGMI	P025AO
BSP-MT 25	AOP030GGFI	P030AO	AAP030GGFI	P030AA	AOP030GGMI	P030AO
BSP-MT 35	AOP030GGFI	P030AO	AAP030GGFI	P030AA	AOP030GGMI	P030AO
BSP-MT 45	AOP035GGFX	P035AO	AAP035GGFX	P035AA	AOP035GGMX	P035AO
BSP-MT 60	AOP040HGFX	P040AO	AAP040HGFX	P040AA	AOP040HGMX	P040AO
BSP-MT 75	AOP040HGFX	P040AO	AAP040HGFX	P040AA	AOP040HGMX	P040AO
BSP-MT 95	AOP045IGFX	P045AO	AAP045IGFX	P045AA	AOP045IGMX	P045AO

The underscore_ should be replaced by the element grade required. Example Filter AOP035GGFX containing filter-element P035AO.

Loose accessories

Suitable for	PMC Order No.	Use	Suitable for	PMC Order No.	Use
BSP-MT 10 - 95	VASDPD/K1-K95	Dewpoint Measurement	BSP-MT 10 - 20	VASVPB/K10-K20/25	Start-up device G1i
BSP-MT 10 - 95	VASMB5420	Signal doppler 4-20 mA	BSP-MT 25 - 45	VASVPB/K25-K45/40	Start-up device G1 1/2i
BSP-MT 10 - 15	VASFS5/K10-K15	Fine filter silencer	BSP-MT 60 - 75	VASVPB/K60-K75/50	Start-up device G2i
BSP-MT 20 - 25	VASFS5/K20-K25	Fine filter silencer	BSP-MT 10 - 75	VASRGR/K10-K75	Regeneration gas recirculation
BSP-MT 35 - 60	VASFS5/K35-K60	Fine filter silencer	BSP-MT 95	VASRGR/K95	Regeneration gas recirculation
BSP-MT 75 - 95	VASFS5/K75-K95	Fine filter silencer			

BSP-MT 10-95 Series



GENERATION 2

From 07/2011 to 12/2018

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 - PMC Order-No.			Options - PMC 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 - PMC Order-No.			Options - PMC 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 12/2018



DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

Vessel	PMC 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 (filter elements are included in the service-kit)

BSP-MT	PMC Order-No.		BSP-MT	PMC Order-No.	
Model	Filter size	Element grade VL, ZL, XL, A	Model	Filter size	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 underscore_ should be replaced by the element grade required. Example Filter GL9XL containing filter-element CP3025XL.

Loose accessories

Suitable for	PMC Order No.	Use	Suitable for	PMC Order No.	Use
BSP-MT 10 - 95	VASDPD/K1-K95	Dewpoint Measurement	BSP-MT 10 - 20	VASVPB/K10-K20/25	Start-up device G1i
BSP-MT 10 - 95	VASMBS420	Signal doppler 4-20 mA	BSP-MT 25 - 45	VASVPB/K25-K45/40	Start-up device G1 1/2i
BSP-MT 10 - 15	VASFS5/K10-K15	Fine filter silencer	BSP-MT 60 - 75	VASVPB/K60-K75/50	Start-up device G2i
BSP-MT 20 - 25	VASFS5/K20-K25	Fine filter silencer	BSP-MT 10 - 75	VASRGR/K10-K75	Regeneration gas recirculation
BSP-MT 35 - 60	VASFS5/K35-K60	Fine filter silencer	BSP-MT 95	VASRGR/K95	Regeneration gas recirculation
BSP-MT 75 - 95	VASFS5/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 - PMC Order-No.			Options - PMC Order-No.	
Model	Service-kit	Filter-element	Silencer	Others	
BS(P)-MT 10 - 25	KE-MT12A	See replacement filter elements on opposite page	SDD-25/AL	ZHM100/450	
BS(P)-MT 35 - 60			SDD-40/AL		
BS(P)-MT 75 - 95			SDD-50/AL		

24 and 48 month interval

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

BS(P)-MT 10-95 Series

GENERATION 1

from 04/2007 to 07/2011



DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

Vessel	PMC 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		1	2		2		
	DESPAC10AK			1	1	1	2	2	4	5
	DESPAC4KTY	2	2	3	4	6	7	10	14	18

Replacement filter elements for pre- and after filters

BS(P)-MT	PMC Order-No.		BS(P)-MT	PMC Order-No.	
Model	Filter size	Element grade V, ZP, XP, A	Model	Filter size	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	PMC Order No.	Use	Suitable for	PMC Order No.	Use
BS(P)-MT 10 - 95	VASDPD/K1-K95	Dewpoint Measurement	BS(P)-MT 10 - 25	VASVPB/K10-K20/25	Start-up device G1i
BS(P)-MT 10 - 95	VASMB5420	Signal doppler 4-20 mA	BS(P)-MT 35 - 60	VASVPB/K25-K45/40	Start-up device G1 1/2i
BS(P)-MT 10 - 15	VASFS5/K10-K15	Fine filter silencer	BS(P)-MT 75 - 95	VASVPB/K60-K75/50	Start-up device G2i
BS(P)-MT 20 - 25	VASFS5/K20-K25	Fine filter silencer	BS(P)-MT 10 - 75	VASRGR/K10-K75	Regeneration gas recirculation
BS(P)-MT 35 - 60	VASFS5/K35-K60	Fine filter silencer	BS(P)-MT 95	VASRGR/K 95	Regeneration gas recirculation
BS(P)-MT 75 - 95	VASFS5/K75-K95	Fine filter silencer			