

# Replacement Guide

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**SWEDISH** HYDRONIC SOLUTIONS SINCE 1906

# IT WORKS.

**For more than 100 years** we have been establishing new standards time after time for what valves and actuators can do in different systems. All our products have one or more of the following features in common: they use less energy, they enhance comfort and they improve safety; in systems for heating, cooling and tap water.

All the time in your daily work, installing valves and actuators, it is important that you can rely on the products you use. We can ensure you of this. It works!

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### FURTHER TECHNICAL INFORMATION

On our website you will find loads of useful information like instruction manuals, certificates and technical data.

<https://www.esbe.eu/group/products>

### ESBE HYDRONIC SELECTION

A useful and reliable tool before you order is ESBE Hydronic selection\* software.

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## CIRCULATION UNITS, ESBE TO ESBE

<b>GBA100</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
 	61060100	GBA111 ARA661+VRB142-25-W	61061100	GBA211	
	61060300	GBA111 ARA661+VRB142-32-W			
	61060500	GBA112 ARA661+VRB142-25-G			
	61060700	GBA112 ARA661+VRB142-32-G			





**GDA100**

 	61000100	GDA111 DIRECT-25-W	61001100	GDA211	 
	61000200	GDA111 DIRECT-32-W	61001200		
	61000300	GDA112 DIRECT-25-G	61001300	GDA212	
	61000400	GDA112 DIRECT-32-G	61001400		



**GDA300**

	61003100	GDA311 DIRECT-20-W	61003200	GDA311	
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**GFA100**

 	61020100	GFA111 VTA572-25-W	61021100	GFA211	 
	61020200	GFA111 VTA572-32-W	61021200		
	61020300	GFA112 VTA572-25-G	61021300	GFA212	
	61020400	GFA112 VTA572-32-G	61021400		

**GFA300**

	61023100	GFA311 VTA378 20-55°C 20-W	61023200	GFA311	
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The purpose of the replacement guide is to assist you in finding the best replacement for an existing product. It is up to the user of this guide to make the final judgement of which product to choose and check that the application specific requirements are fulfilled. Note also that product installation dimensions might be different.

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## CIRCULATION UNITS, ESBE TO ESBE



<b>GRA100</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	61040100	GRA111 ARA661+VRG432-25-W	61042100	GRA211	
	61040400	GRA111 ARA661+VRG432-32-W	61042200		
	61040500	GRA112 ARA661+VRG432-25-G	61042300	GRA212	
	61040600	GRA112 ARA661+VRG432-32-G	61042400		
	61043200	GRA131 ARA639+VRG432-25-W	61042500	GRA231	
	61043300	GRA131 ARA639+VRG432-32-W	61042600		
	61043400	GRA132 ARA639+VRG432-25-G	61042700	GRA232	
	61043500	GRA132 ARA639+VRG432-32-G	61042800		
<b>GRA300</b>					
	61043100	GRA311 VRG438+ARA661 20-W	61043600	GRA311	
<b>GRC100</b>					
	61040200	GRC111 CRC111+VRG432-25-W	61044100	GRC221	
	61040700	GRC111 CRC111+VRG432-32-W	61044200		
	61040900	GRC112 CRC111+VRG432-25-G	61044300	GRC222	
	61041100	GRC112 CRC111+VRG432-32-G	61044400		
	61041300	GRC141 CRD122+VRG432-25-W	61044500	GRC241	
	61041400	GRC141 CRD122+VRG432-32-W	61044600		
	61041500	GRC142 CRD122+VRG432-25-G	61044700	GRC242	
	61041600	GRC142 CRD122+VRG432-32-G	61044800		

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## CIRCULATION UNITS, ESBE TO ESBE

<b>GRC200</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	61040300	GRC211 90C-1+VRG432-25-W	61044500	GRC241	
	61040800	GRC211 90C-1+VRG432-32-W	61044600		
	61041000	GRC212 90C-1+VRG432-25-G	61044700	GRC242	
	61041200	GRC212 90C-1+VRG432-32-G	61044800		



## GST100

	61120100	GST131 VTC317 55°C 25-W	61121200	GST241	
	61120200	GST141 VTC422 50-70°C 25-W			

## MANIFOLDS, ESBE TO ESBE

<b>GMA100</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	66000100	GMA121, without hydraulic separator for 2 units	66001200	GMA421	
	66000200	GMA131, without hydraulic separator for 3 units	66001300	GMA431	

## GMA200

	66000300	GMA221, with hydraulic separator for 2 units	66001600	GMA521 *	
	66000400	GMA231, with hydraulic separator for 3 units	66001700	GMA531 *	

\* differences in dimensions and connection distance - please see Data sheet for more information.

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## ROTARY VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>3MG</b> 	11000200	3MG DN15 Kvs 0,6 Rp ½"	11600200	VRG131	
	11000300	3MG DN15 Kvs 1,0 Rp ½"	11600300		
	11000400	3MG DN15 Kvs 1,2 Rp ½"	11600400		
	11000500	3MG DN15 Kvs 1,6 Rp ½"	11600400		
	11000100	3MG DN15 Kvs 2,5 Rp ½"	11600500		
	11000700	3MG DN20 Kvs 4 Rp ¾"	11600800		
	11001100	3MG DN20 Kvs 6,3 Rp ¾"	11600900		
	11001600	3MG DN25 Kvs 8 Rp 1"	11601000		
	11002400	3MG DN25 Kvs 12 Rp 1"	11601100		
	11002700	3MG DN32 Kvs 18 Rp 1¼"	11601200		
	11002100	3MG DN20 Kvs 6,3 CPF 22mm	11603000	VRG133	
	11002300	3MG DN 25 Kvs 8 CPF 28mm	11603100		
	11001300	3MGA DN20 Kvs 6,3 G 1"	11602300	VRG132	
	11002600	3MGA DN25 Kvs 12 G 1¼"	11602500		
	11002900	3MGA DN32 Kvs 18 G 1½"	11602600		
 No image	11001500	3MGR DN20 Kvs 6,3 G 1"	11604100	VRG138	
<b>4MG</b>					
	11003400	4MG DN15 Kvs 2,5 Rp ½"	11640100	VRG141	
	11003600	4MG DN20 Kvs 4 Rp ¾"	11640200		
	11003900	4MG DN20 Kvs 6,3 Rp ¾"	11640300		
	11004200	4MG DN25 Kvs 8 Rp 1"	11640400		
	11004900	4MG DN32 Kvs 18 Rp 1¼"	11640500		
	11004100	4MGA DN20 Kvs 6,3 G 1"	11641000	VRG142	

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## ROTARY VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>3G</b> 	11050100	3G DN20 Kvs 8 Rp 3/4"	11600900	VRG131	
	11050200	3G DN25 Kvs 12 Rp 1"	11601100		
	11050300	3G DN32 Kvs 18 Rp 1 1/4"	11601200		
	11050400	3G DN40 Kvs 28 Rp 1 1/2"	11603400		
	11050600	3G DN50 Kvs 44 R p2"	11603600		
<b>4G</b> 	11050800	4G DN20 Kvs 8 Rp 3/4"	11640300	VRG141	
	11051000	4G DN25 Kvs 12 Rp 1"	11640400		
	11051300	4G DN32 Kvs 18 Rp 1 1/4"	11640500		
	11051400	4G DN40 Kvs 28 Rp 1 1/2"	11641500		
	11051600	4G DN50 Kvs 44 Rp 2"	11641700		
<b>3HG</b> 	11350500	3HG DN25 Kvs 10 G 1 1/2"	11720300	VRH139	
<b>BIV</b> 	11450100	BIV20 DN20 Kvs 4 G 3/4"	11661800	VRB243	
	11450300	BIV22 DN20 Kvs 4,0 CPF 22mm	11661800	VRB243	
	11450200	BIV25 DN25 Kvs 12 Rp 1"	11660400*	VRB141	

\* Different flow pattern

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## ROTARY VALVES, ESBE TO ESBE

<b>VRG130</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	11601300	VRG131 DN40 Kvs 25 Rp 1½"	11603400	VRG131	
	11601400	VRG131 DN50 Kvs 40 Rp 2"	11603600	VRG131	
	11602700	VRG132 DN40 Kvs 25 G 2"	11603500	VRG132	
	11602800	VRG132 DN50 Kvs 40 G 2¼"	11603700	VRG132	

## ROTARY VALVES, DANFOSS

	Danfoss HRB 3		ESBE series VRG130		
	Art. No.	Type	Art. No.	Type	
	065Z0399	HRB 3 PN10 15/0,4 rotary 3-way Rp $\frac{1}{2}$ "	11600100	VRG131 DN15 Kvs 0,4 Rp $\frac{1}{2}$ "	
	065Z0400	HRB 3 PN10 15/0,63 rotary 3-way Rp $\frac{1}{2}$ "	11600200	VRG131 DN15 Kvs 0,63 Rp $\frac{1}{2}$ "	
	065Z0401	HRB 3 PN10 15/1 rotary 3-way Rp $\frac{1}{2}$ "	11600300	VRG131 DN15 Kvs 1,0 Rp $\frac{1}{2}$ "	
	065Z0402	HRB 3 PN10 15/1,63 rotary 3-way Rp $\frac{1}{2}$ "	11600400	VRG131 DN15 Kvs 1,6 Rp $\frac{1}{2}$ "	
	065Z0403	HRB 3 PN10 15/2,5 rotary 3-way Rp $\frac{1}{2}$ "	11600500	VRG131 DN15 Kvs 2,5 Rp $\frac{1}{2}$ "	
	065Z0398	HRB 3 PN10 15/4 rotary 3-way Rp $\frac{1}{2}$ "	11600600	VRG131 DN15 Kvs 4 Rp $\frac{1}{2}$ "	
	065Z0397	HRB 3 PN10 20/2,5 rotary 3-way Rp $\frac{3}{4}$ "	11600700	VRG131 DN20 Kvs 2,5 Rp $\frac{3}{4}$ "	
	065Z0404	HRB 3 PN10 20/4 rotary 3-way Rp $\frac{3}{4}$ "	11600800	VRG131 DN20 Kvs 4 Rp $\frac{3}{4}$ "	
	065Z0405	HRB 3 PN10 20/6,3 rotary 3-way Rp $\frac{3}{4}$ "	11600900	VRG131 DN20 Kvs 6,3 Rp $\frac{3}{4}$ "	
	065Z0406	HRB 3 PN10 25/6,3 rotary 3-way Rp1	11601000	VRG131 DN25 Kvs 6,3 Rp $\frac{3}{4}$ "	
	065Z0407	HRB 3 PN10 25/10 rotary 3-way Rp1	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	065Z0408	HRB 3 PN10 32/16 rotary 3-way Rp1 $\frac{1}{4}$ "	11601200	VRG131 DN32 Kvs 16 Rp 1 $\frac{1}{4}$ "	
	065Z0409	HRB 3 PN10 40/25 rotary 3-way Rp1 $\frac{1}{2}$ "	11603400	VRG131 DN40 Kvs 25 Rp 1 $\frac{1}{2}$ "	
	065Z0410	HRB 3 PN10 50/40 rotary 3-way Rp2	11603600	VRG131 DN50 Kvs 40 Rp 2"	

	Danfoss HRB 4		ESBE series VRG140		
	Art. No.	Type	Art. No.	Type	
	065Z0411	HRB 4 PN10 15/2,5 rotary 4-way Rp $\frac{1}{2}$ "	11640100	VRG141 DN15 Kvs 2,5 Rp $\frac{1}{2}$ "	
	065Z0412	HRB 4 PN10 20/4 rotary 4-way Rp $\frac{3}{4}$ "	11640200	VRG141 DN20 Kvs 4 Rp $\frac{3}{4}$ "	
	065Z0413	HRB 4 PN10 20/6,3 rotary 4-way Rp $\frac{3}{4}$ "	11640300	VRG141 DN20 Kvs 6,3 Rp $\frac{3}{4}$ "	
	065Z0414	HRB 4 PN10 25/10 rotary 4-way Rp1	11640400	VRG141 DN25 Kvs 10 Rp 1"	
	065Z0415	HRB 4 PN10 32/16 rotary 4-way Rp1 $\frac{1}{4}$ "	11640500	VRG141 DN32 Kvs 16 Rp 1 $\frac{1}{4}$ "	
	065Z0416	HRB 4 PN10 40/25 rotary 4-way Rp1 $\frac{1}{2}$ "	11641500	VRG141 DN40 Kvs 25 Rp 1 $\frac{1}{2}$ "	
	065Z0417	HRB 4 PN10 50/40 rotary 4-way Rp2	11641700	VRG141 DN50 Kvs 40 Rp 2"	



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## ROTARY VALVES, HONEYWELL CENTRA



	CENTRA DRG...FLA			ESBE series 3F		
	Art. No.	DN	Kvs	Art. No.	Type	
	DR 20 GFLA	20	6,3	11100100*	3F DN20 Kvs 12 Flange	
	DR 25 GFLA	25	10	11100200*	3F DN25 Kvs 18 Flange	
	DR 32 GFLA	32	16	11100300*	3F DN32 Kvs 28 Flange	
	DR 40 GFLA	40	25	11100400*	3F DN40 Kvs 44 Flange	
	DR 50 GFLA	50	40	11100600*	3F DN50 Kvs 60 Flange	
	DR 65 GFLA	65	63	11100800*	3F DN65 Kvs 90 Flange	
	DR 80 GFLA	80	100	11101000*	3F DN80 Kvs 150 Flange	
	DR 100 GFLA	100	160	11101200*	3F DN100 Kvs 225 Flange	
	DR 125 GFLA	125	250	11101400*	3F DN125 Kvs 280 Flange	
	DR 150 GFLA	150	630	11101600*	3F DN150 Kvs 400 Flange	

\* Kvs value and/or dimension differs

	CENTRA DRG...LA			ESBE series VRG130		
	Art. No.	DN	Kvs	Art. No.	Type	
	DR 15-2 GMLA	15	2,5	11600500	VRG131 DN15 Kvs 2,5 Rp 1/2"	
	DR 15 GMLA	15	4,0	11600600	VRG131 DN15 Kvs 4 Rp 1/2"	
	DR 20 GMLA	20	6,3	11600900	VRG131 DN20 Kvs 6,3 Rp 3/4"	
	DR 25 GMLA	25	10	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	DR 32 GMLA	32	16	11601200	VRG131 DN32 Kvs 16 Rp 1 1/4"	
	DR 40 GMLA	40	25	11603400	VRG131 DN40 Kvs 25 Rp 1 1/2"	

	CENTRA DR...A			ESBE series VRG230		
	Art. No.	DN	Kvs	Art. No.	Type	
	DR 20 MA	20	6,3	11620100	VRG231 DN20 Kvs 6,3 Rp 3/4"	
	DR 25 MA	25	10	11620200	VRG231 DN25 Kvs 10 Rp 1"	
	DR 32 MA	32	16	11620300	VRG231 DN32 Kvs 16 Rp 1 1/4"	
	DR 40 MA	40	25	11621400*	VRG231 DN40 Kvs 30 Rp 1 1/2"	



\* Kvs value and/or dimension differs

	CENTRA DRU			ESBE series VRG130		
	Art. No.	DN	Kvs	Art. No.	Type	
	DRU 25 - 2,5	25	2,5	11602400*	VRG132 DN25 Kvs 6,3 G 1 1/4"	
	DRU 25 - 4,0	25	4,0		VRG132 DN25 Kvs 6,3 G 1 1/4"	
	DRU 25 - 6,3	25	6,3		VRG132 DN25 Kvs 10 G 1 1/4"	
	DRU 25 - 10	25	10		VRG132 DN25 Kvs 10 G 1 1/4"	
	DRU 25 - 16	25	16		VRG132 DN25 Kvs 10 G 1 1/4"	
	DRU 32 - 10	32	10		VRG132 DN32 Kvs 16 G 1 1/2"	
	DRU 32 - 16	32	16		VRG132 DN32 Kvs 16 G 1 1/2"	
DRU 32 - 25	32	25	11602600*	VRG132 DN32 Kvs 16 G 1 1/2"		



\* Kvs value and/or dimension differs

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## ROTARY VALVES, HONEYWELL CENTRA

	CENTRA DRU + HE			ESBE series VRH130		
	Art. No.	DN	Kvs	Art. No.	Type	
	DRU 25 - 2,5 + HE 25	25	2,5	11720100*	VRH139 DN20 Kvs 2,5 G 1 1/2" / PF 1 1/2"	
	DRU 25 - 4,0 + HE 25	25	4,0	11720300*	VRH139 DN20 Kvs 4 G 1 1/2" / PF 1 1/2"	
	DRU 25 - 6,3 + HE 25	25	6,3	11720300*	VRH139 DN20 Kvs 6,3 G 1 1/2" / PF 1 1/2"	
	DRU 25 - 10 + HE 25	25	10	11720300*	VRH139 DN20 Kvs 6,3 G 1 1/2" / PF 1 1/2"	
	DRU 25 - 16 + HE 25	25	16			
	DRU 32 - 10 + HE 32	32	10	11720300*	VRH139 DN20 Kvs 6,3 G 1 1/2" / PF 1 1/2"	
	DRU 32 - 16 + HE 32	32	16			
DRU 32 - 25 + HE 32	32	25				



\* Kvs value and/or dimension differs

	CENTRA ZR...FA			ESBE series 4F		
	Art. No.	DN	Kvs	Art. No.	Type	
	ZR 40 FA	40	25	11101800*	4F DN40 Kvs 44 Flange	
	ZR 50 FA	50	40	11101900*	4F DN50 Kvs 60 Flange	
	ZR 65 FA	65	63	11102000*	4F DN65 Kvs 90 Flange	
	ZR 80 FA	80	100	11102100*	4F DN80 Kvs 150 Flange	
	ZR 100 FA	100	160	11102200*	4F DN100 Kvs 225 Flange	

\* Kvs value and/or dimension differs

	CENTRA ZR...A			ESBE series VRG140		
	Art. No.	DN	Kvs	Art. No.	Type	
	ZR 15 MA	15	4,0	11640100*	VRG141 DN15 Kvs 2,5 Rp 1/2"	
	ZR 20 MA	20	6,3	11640300	VRG141 DN20 Kvs 6,3 Rp 3/4"	
	ZR 25 MA	25	10	11640400	VRG141 DN25 Kvs 10 Rp 1"	
	ZR 32 MA	32	16	11640500	VRG141 DN32 Kvs 16 Rp 1 1/4"	
	ZR 40 MA	40	25	11641500	VRG141 DN40 Kvs 25 Rp 1 1/2"	

\* Kvs value and/or dimension differs

	CENTRA ZRK			ESBE series VRG140		
	Art. No.	DN	Kvs	Art. No.	Type	
	ZRK 20	20	5,6	11640900*	VRG142 DN20 Kvs 4 G 1"	
				11641000*	VRG142 DN20 Kvs 6,3 G 1"	
	ZRK 25	25	8,5	11641100*	VRG142 DN25 Kvs 10 G 1 1/4"	
	ZRK 32	32	14	11641200*	VRG142 DN32 Kvs 16 G 1 1/2"	

\* Kvs value and/or dimension differs

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## ROTARY VALVES, HONEYWELL CENTRA







	CENTRA V5433G			ESBE series VRG130		
	Art. No.	DN	Kvs	Art. No.	Type	
	V5433G1004	20	2,5	11600700	VRG131 DN20 Kvs 2,5 Rp 3/4"	
	V5433G1012	20	4,0	11600800	VRG131 DN20 Kvs 4 Rp 3/4"	
	V5433G1020	20	6,3	11600900	VRG131 DN20 Kvs 6,3 Rp 3/4"	
	V5433G1038	25	10	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	V5433G1046	32	16	11601200	VRG131 DN32 Kvs 16 Rp 1 1/4"	






	CENTRA V5431A			ESBE series VRG130		
	Art. No.	DN	Kvs	Art. No.	Type	
	V5431A1025	15	4,0	11600600	VRG131 DN15 Kvs 4 Rp 1/2"	
	V5431A1033	20	6,3	11600900	VRG131 DN20 Kvs 6,3 Rp 3/4"	
	V5431A1041	25	10	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	V5431A1058	32	16	11601200	VRG131 DN32 Kvs 16 Rp 1 1/4"	
	V5431A1066	40	25	11603400	VRG131 DN40 Kvs 25 Rp 1 1/2"	

	CENTRA V5431F			ESBE series 3F		
	Art. No.	DN	Kvs	Art. No.	Type	
	V5431F1032	20	6,3	11100100*	3F DN20 Kvs 12 Flange	
	V5431F1040	25	10	11100200*	3F DN25 Kvs 18 Flange	
	V5431F1057	32	16	11100300*	3F DN32 Kvs 28 Flange	
	V5431F1065	40	25	11100400*	3F DN40 Kvs 44 Flange	
	V5431F1073	50	40	11100600*	3F DN50 Kvs 60 Flange	
	V5431F1081	65	63	11100800*	3F DN65 Kvs 90 Flange	
	V5431F1099	80	100	11101000*	3F DN80 Kvs 150 Flange	
	V5431F1107	100	160	11101200*	3F DN100 Kvs 225 Flange	
	V5431F1115	125	250	11101400*	3F DN125 Kvs 280 Flange	
	V5431F1123	150	630	11101600*	3F DN150 Kvs 400 Flange	

\* Kvs value and/or dimension differs

## ROTARY VALVES, LK

	LK, LK830 ThermoMix® B		ESBE series VRB140		
	Art. No.	Type	Art. No.	Type	
	180587	LK 830 - Female thread	11660300	VRB141 DN20 Kvs 6,3 Rp ¾"	
	180589		11660400	VRB141 DN25 Kvs 10 Rp 1"	
	180002	LK 830 - Male thread	11660800	VRB142 DN15 Kvs 2,5 G ¾"	
	180588		11661000	VRB142 DN20 Kvs 6,3 G 1"	
	180590		11661100	VRB142 DN25 Kvs 10 G 1¼"	
	180001	LK 830 - Compression fitting	11661500	VRB143 DN20 Kvs 4 CPF 22mm	
	180003		11661600	VRB143 DN20 Kvs 6,3 CPF 22mm	
	180595		11661700	VRB143 DN25 Kvs 6,3 CPF 28mm	

	LK, LK 840 ThermoMix®		ESBE series VRG130		
	Art. No.	Type	Art. No.	Type	
	181010	LK 840 - Female thread	11600200	VRG131 DN15 Kvs 0,63 Rp ½"	
	181011		11600300	VRG131 DN15 Kvs 1 Rp ½"	
	181012		11600400	VRG131 DN15 Kvs 1,6 Rp ½"	
	180845		11600500	VRG131 DN15 Kvs 2,5 Rp ½"	
	180846		11600800	VRG131 DN20 Kvs 4 Rp ¾"	
	180847		11600900	VRG131 DN20 Kvs 6,3 Rp ¾"	
	181350		11601000	VRG131 DN25 Kvs 6,3 Rp 1"	
	180484		11601100*	VRG131 DN25 Kvs 10 Rp 1"	
	180489		11601200	VRG131 DN32 Kvs 16 Rp 1¼"	
	180850		11603400	VRG131 DN40 Kvs 25 Rp 1½"	
	181196		11603600	VRG131 DN50 Kvs 40 Rp 2"	
	180851	LK 840 - Male thread	11601900	VRG132 DN15 Kvs 2,5 G ¾"	
	180852		11602200	VRG132 DN20 Kvs 4 G 1"	
	180853		11602300	VRG132 DN20 Kvs 6,3 G 1"	
	180854		11602500*	VRG132 DN25 Kvs 10 G 1¼"	
	180855		11602600	VRG132 DN32 Kvs 16 G 1½"	
	181519		11603500	VRG132 DN40 Kvs 25 G 2"	

\* Kvs value and/or dimension differs

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## ROTARY VALVES, LK

	LK, LK 840 ThermoMix® 2.0		ESBE series VRG130		
	Art. No.	Type	Art. No.	Type	
	181908	LK 840 2.0 - Female thread	11600200	VRG131 DN15 Kvs 0,63 Rp ½"	
	181910		11600400	VRG131 DN15 Kvs 1,6 Rp ½"	
	181911		11600500	VRG131 DN15 Kvs 2,5 Rp ½"	
	181912		11600800	VRG131 DN20 Kvs 4 Rp ¾"	
	181913		11600900	VRG131 DN20 Kvs 6,3 Rp ¾"	
	181914		11601000	VRG131 DN25 Kvs 6,3 Rp 1"	
	181915		11601100	VRG131 DN25 Kvs 10 Rp 1"	
	181916		11601200	VRG131 DN32 Kvs 16 Rp 1¼"	
	181917	LK 840 2.0 - Female thread	11603400	VRG131 DN40 Kvs 25 Rp 1½"	
	181918		11603600	VRG131 DN50 Kvs 40 Rp 2"	
	181919	LK 840 2.0 - Male thread	11601900	VRG132 DN15 Kvs 2,5 G ¾"	
	181920		11602200	VRG132 DN20 Kvs 4 G 1"	
	181921		11602300	VRG132 DN20 Kvs 6,3 G 1"	
	181922		11602500	VRG132 DN25 Kvs 10 G 1¼"	
	181923		11602600	VRG132 DN32 Kvs 16 G 1½"	
	181924	LK 840 2.0 - Male thread	11603500*	VRG132 DN40 Kvs 25 G 2"	
	181925		11603700*	VRG132 DN50 Kvs 40 G 2¼"	
	181926				
	181930	LK 840 2.0 - Compression fitting	11603000	VRG133 DN20 Kvs 6,3 CPF 22mm	
	181932		11603100*	VRG133 DN25 Kvs 10 CPF 28mm	




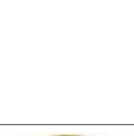


\* Kvs value and/or dimension differs

	LK, LK 841 ThermoMix®		ESBE series VRG140		
	Art. No.	Type	Art. No.	Type	
	180862	LK 841 - Female thread	11640100	VRG141 DN15 Kvs 2,5 Rp ½"	
	180863		11640200	VRG141 DN15 Kvs 1,6 Rp ¾"	
	181198		11641500	VRG141 DN40 Kvs 25 Rp 1½"	
	181199		11641700	VRG141 DN50 Kvs 40 Rp 2"	
	180869	LK 841 - Male thread	11640900	VRG142 DN20 Kvs 4 G 1"	
	180870		11641000	VRG142 DN20 Kvs 6,3 G 1"	
	180871		11641100	VRG142 DN25 Kvs 10 G 1¼"	
	180872		11641200	VRG142 DN32 Kvs 16 G 1½"	
	180873		11641200*	VRG142 DN32 Kvs 16 G 1½"	

\* Kvs value and/or dimension differs






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## ROTARY VALVES, LK

	LK, LK 841 ThermoMix® 2.0		ESBE series VRG140		
	Art. No.	Type	Art. No.	Type	
	181940	LK 841 2.0 - Female thread	11640100	VRG141 DN15 Kvs 2,5 Rp ½"	
	181941		11640200	VRG141 DN15 Kvs 1,6 Rp ¾"	
	181942		11640300	VRG141 DN20 Kvs 6,3 Rp ¾"	
	181943		11640400	VRG141 DN25 Kvs 10 Rp 1"	
	181944		11640500	VRG141 DN32 Kvs 16 Rp 1¼"	
	181945	LK 841 2.0 - Female thread	11641500	VRG141 DN40 Kvs 25 Rp 1½"	
	181946		11641700	VRG141 DN50 Kvs 40 Rp 2"	
	181949	LK 841 2.0 - Male thread	11641000	VRG142 DN20 Kvs 6,3 G 1"	

\* Kvs value and/or dimension differs

## ROTARY VALVES, TERMOVENTILER

	Termoventiler TV 3S		ESBE series VRG130		
	Art. No.	Type	Art. No.	Type	
	15016001	TV 3S R15 / ½" IT Kvs 1,6	11600400	VRG131 DN15 Kvs 1,6 Rp ½"	
	15025001	TV 3S R15 / ½" IT Kvs 2,5	11600500	VRG131 DN15 Kvs 2,5 Rp ½"	
	15040001	TV 3S R15 / ½" IT Kvs 4	11600600	VRG131 DN15 Kvs 4 Rp ½"	
	15025003	TV 3S R20 / ¾" IT Kvs 2,5	11600700	VRG131 DN20 Kvs 2,5 Rp ¾"	
	15040003	TV 3S R20 / ¾" IT Kvs 4	11600800	VRG131 DN20 Kvs 4 Rp ¾"	
	15060003	TV 3S R20 / ¾" IT Kvs 6	11600900*	VRG131 DN20 Kvs 6,3 Rp ¾"	
	15060005	TV 3S R25 / 1" IT Kvs 6	11601000*	VRG131 DN25 Kvs 6,3 Rp 1"	
	15080005	TV 3S R25 / 1" IT Kvs 8	11601100*	VRG131 DN25 Kvs 10 Rp 1"	
	15100005	TV 3S R25 / 1" IT Kvs 10	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	15160010	TV 3S R32 / 1¼" IT Kvs 16	11601200	VRG131 DN32 Kvs 16 Rp 1¼"	
	15250011	TV 3S R40 / 1½" IT Kvs 25	11603400	VRG131 DN40 Kvs 25 Rp 1½"	
	15400012	TV 3S R50 / 2" IT Kvs 40	11603600	VRG131 DN50 Kvs 40 Rp 2"	
		15025002	TV 3S R15 / ½" ET Kvs 2,5	11601900*	
15040002		TV 3S R15 / ½" ET Kvs 4	11602000*	VRG132 DN15 Kvs 4 G ¾"	
15025004		TV 3S R20 / ¾" ET Kvs 2,5	11602100*	VRG132 DN20 Kvs 2,5 G 1"	
15040004		TV 3S R20 / ¾" ET Kvs 4	11602200*	VRG132 DN20 Kvs 4 G 1"	
15060006		TV 3S R25 / 1" ET Kvs 6	11602400*	VRG132 DN25 Kvs 6,3 G 1¼"	
15100006		TV 3S R25 / 1" ET Kvs 10	11602500*	VRG132 DN25 Kvs 10 G 1¼"	
	15025008	TV 3S Cu22 Kvs 2,5	11602900*	VRG133 DN20 Kvs 4 CPF 22mm	
	15040008	TV 3S Cu22 Kvs 4	11602900	VRG133 DN20 Kvs 4 CPF 22mm	
	15060008	TV 3S Cu22 Kvs 6	11603000*	VRG133 DN20 Kvs 6,3 CPF 22mm	
	15100009	TV 3S Cu28 Kvs 10	11603100	VRG133 DN25 Kvs 10 CPF 28mm	

\* Kvs value and/or dimension differs

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## ROTARY VALVES, TERMOVENTILER







Termoventiler, TV 4S			ESBE series VRG140		
Art. No.	Type	Art. No.	Type		
	15060203	TV 4S R20 / ¾" IT Kvs 6	11640300*	VRG141 DN20 Kvs 6,3 Rp ¾"	
	15100205	TV 4S R25 / 1" IT Kvs 10	11640400	VRG141 DN25 Kvs 10 Rp 1"	

\* Kvs value and/or dimension differs

Termoventiler, TV 4BIV			ESBE series VRB140		
Art. No.	Type	Art. No.	Type		
	15040101	TV 4BIV R15 / ½" IT Kvs 4	11660100*	VRB141 DN15 Kvs 2,5 Rp ½"	
	15040105	TV 4BIV R25 / 1" IT Kvs 4	11660200*	VRB141 DN20 Kvs 4 Rp ¾"	
	15060105	TV 4BIV R25 / 1" IT Kvs 6	11660300*	VRB141 DN20 Kvs 6,3 Rp ¾"	
	15040108	TV 4BIV Cu22 Kvs 4	11661500	VRB143 DN20 Kvs 4 CPF 22mm	
	15060108	TV 4BIV Cu22 Kvs 6	11661600*	VRB143 DN20 Kvs 6,3 CPF 22mm	
	15060109	TV 4BIV Cu28 Kvs 6	11661700	VRB143 DN20 Kvs 6,3 CPF 28mm	

\* Kvs value and/or dimension differs







## ROTARY VALVES, VEXVE

Vexve ABV4			ESBE series VRB140		
Art. No.	Type	Art. No.	Type		
	1550005	ABV 4101	11660100	VRB141 DN15 Kvs 2,5 Rp ½"	
	1550020	ABV 4110	11660200*	VRB141 DN20 Kvs 4 Rp ¾"	
	1550030	ABV 4112	11660300	VRB141 DN20 Kvs 6,3 Rp ¾"	
	1550035	ABV 4121	11660400*	VRB141 DN25 Kvs 10 Rp 1"	
	1550040	ABV 4122			
	1550045	ABV4130	11660500*	VRB141 DN32 Kvs 16 Rp 1¼"	
	1550065	ABV 4201	11660800	VRB142 DN15 Kvs 2,5 G ¾"	
	1550080	ABV 4210	11660900*	VRB142 DN20 Kvs 4 G 1"	
	1550090	ABV 4212	11661000	VRB142 DN20 Kvs 6,3 G 1"	
	1550095	ABV 4221	11661100*	VRB142 DN25 Kvs 10 G 1¼"	
	1550100	ABV 4222			
	1550115	ABV 4230	11661200*	VRB142 DN32 Kvs 16 G 1½"	
	1550130	ABV 4321	11661500*	VRB143 DN20 Kvs 4 CPF 22mm	
	1550140	ABV 4323	11661600	VRB143 DN20 Kvs 6,3 CPF 22mm	
	1550145	ABV 4330	11661700*	VRB143 DN25 Kvs 6,3 CPF 28mm	
	1550155	ABV 4332	11661700	VRB143 DN25 Kvs 6,3 CPF 28mm	





\* Kvs value and/or dimension differs

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## ROTARY VALVES, VEXVE

Vexve AMV3			ESBE series VRG130		
Art. No.	Type	Art. No.	Type		
	1530000	AMV 3101	11600200	VRG131 DN15 Kvs 0,63 Rp 1/2"	
	1530005	AMV 3102	11600300	VRG131 DN15 Kvs 1,0 Rp 1/2"	
	1530010	AMV 3103	11600400	VRG131 DN15 Kvs 1,6 Rp 1/2"	
	1530015	AMV 3104	11600500	VRG131 DN15 Kvs 2,5 Rp 1/2"	
	1530020	AMV 3111	11600800	VRG131 DN20 Kvs 4 Rp 3/4"	
	1530025	AMV 3112	11600900	VRG131 DN20 Kvs 6,3 Rp 3/4"	
	1530030	AMV 3121	11601100*	VRG131 DN25 Kvs 10 Rp 1"	
	1530035	AMV 3122			
	1530040	AMV 3131	11601200	VRG131 DN32 Kvs 16 Rp 1 1/4"	
	1530045	AMV 3204	11601900	VRG132 DN15 Kvs 2,5 G 3/4"	
	1530050	AMV 3211	11602200	VRG132 DN20 Kvs 4 G 1"	
	1530055	AMV 3212	11602300	VRG132 DN20 Kvs 6,3 G 1"	
	1530060	AMV 3221	11602500*	VRG132 DN25 Kvs 10 G 1 1/4"	
	1530065	AMV 3222			
	1530070	AMV 3231	11602600	VRG132 DN32 Kvs 16 G 1 1/2"	
	1530048	AMV 3304	11602900*	VRG133 DN20 Kvs 4 CPF 22mm	
	1530049	AMV 3326	11603000	VRG133 DN20 Kvs 6,3 CPF 22mm	
	1530058	AMV 3312	11603100*	VRG133 DN25 Kvs 10 CPF 28mm	

\* Kvs value and/or dimension differs

Vexve AMV4			ESBE series VRG140		
Art. No.	Type	Art. No.	Type		
	1540005	AMV 4101	11640100	VRG141 DN15 Kvs 2,5 Rp 1/2"	
	1540010	AMV 4111	11640200	VRG141 DN20 Kvs 4 Rp 3/4"	
	1540015	AMV 4112	11640300	VRG141 DN20 Kvs 6,3 Rp 3/4"	
	1540020	AMV 4121	11640400*	VRG141 DN25 Kvs 10 Rp 1"	
	1540025	AMV 4122			
	1540030	AMV 4131	11640500	VRG141 DN32 Kvs 16 Rp 1 1/4"	
	1540040	AMV 4211	11640900	VRG142 DN20 Kvs 4 G 1"	
	1540045	AMV 4212	11641000	VRG142 DN20 Kvs 6,3 G 1"	
	1540050	AMV 4221	11641100*	VRG142 DN25 Kvs 10 G 1 1/4"	
	1540055	AMV 4222			
	1550060	AMV 4231	11641200	VRG142 DN32 Kvs 16 G 1 1/2"	







\* Kvs value and/or dimension differs

Vexve Termomix D			ESBE series VRG130		
Art. No.	Type	Art. No.	Type		
	1660002	Termomix D 25	11601100	VRG131 DN25 Kvs 10 Rp 1"	
	1660004	Termomix D 32	11601200	VRG131 DN32 Kvs 16 Rp 1 1/4"	
	1660006	Termomix D 40	11603400	VRG131 DN40 Kvs 25 Rp 1 1/2"	
	1660008	Termomix D 50	11603600	VRG131 DN50 Kvs 40 Rp 2"	

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## ROTARY ACTUATORS, ESBE TO ESBE

60	ESBE discontinued series			ESBE today series		
	Art. No.		Type	Art. No.	Type	
	12000100	62	24V 120s 5Nm 3P	12100300	ARA663	
	12000800	63	24V 240s 5Nm 3P	12100400	ARA673	
	12001000	65	230V 60s 5Nm 3P	12101200	ARA651	
	12001400	66	230V 120s 5Nm 3P	12101300	ARA661	
	12002000	67	230V 240s 5Nm 3P	12101400	ARA671	
	12002700	68	230V 60s 5Nm 2P	12120900	ARA655	
	12003000	69	230V 480s 5Nm 3P	12101500	ARA691	
	12002100	67-20	230V 1200s 5Nm 3P	12101500	ARA691	
	12000500	62M	24V 120s 5Nm 3P	12100800*	ARA664	
	12002900	68M	230V 60s 5Nm 2P	12121200*	ARA656	
	12001100	65M	230V 60s 5Nm 3P	12101700*	ARA652	
	12001500	66M	230V 120s 5Nm 3P	12101800*	ARA662	
	12002300	67M	230V 240s 5Nm 3P	12101900*	ARA672	
	12500100	62P	24V 60-120s 5Nm Prop.	12520100	ARA639	
				12520200	ARA659	

\* With premounted auxiliary switch

## 80



	82	24V 55s 5Nm 3P	12050600	92	
	82S	24V 55s 10Nm 3P			
	83	24V 240s 5Nm 3P	12051300	93	
	83S	24V 240s 10Nm 3P			
	84	220V 12s 3Nm 3P	12051700	94	
	85	220V 55s 5Nm 3P			
	85S	220V 55s 10Nm 3P	12051900	95	
	86	220V 240s 5Nm 3P			
	86S	220V 240s 10Nm 3P	12052300	96	
	87	220V 12s 3Nm 2P			
	88	220V 55s 5Nm 2P	12052500	97	
88S	220V 55s 10Nm 2P				
	82P	24V AC/DC 55s 10Nm	12550500	93P	
	83P	24V AC/DC 240s 15Nm			

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## ROTARY ACTUATORS, ESBE TO ESBE



90	ESBE discontinued series			ESBE today series		
	Art. No.		Type	Art. No.	Type	
	12550100	92P	24V 0-10V 90°	12550500	93P	
	12550200	92P2	24V 0-10V 180°			
	12550400	92P4	24VAC 0-10V 120s 355°			

## ARA600

	12120100	ARA637	24V 15s 3Nm 2P	12100100 <sup>1)</sup>	ARA643	
	12120200	ARA647	24V 30s 6Nm 2P	12100100 <sup>2)</sup>	ARA643	
	12120600	ARA658	24V 60s 6Nm 2P Aux.	12100700 <sup>2)</sup>	ARA654	

1) 30s, 3-point 2) 3-point

## ROTARY ACTUATORS, EVR

	EVR (UVEAB)		ESBE Series 90		
	Reference	Type	Art. No.	Type	
	EVR-M90	60/120s, 15Nm	12050600	92	

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## CONTROLLERS, ESBE TO ESBE












	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>90C</b> 	12601100	90C-1A	12721100*	CRA211	
	12601200	90C-1B			
	12601500	90C-1A-90			
	12601600	90C-1B-90			
* Torque 6Nm					
<b>95C</b> 	12600100	95-1C	12721100*	CRA211	
* Torque 6Nm					
<b>90K</b> 	12700100	92K2	12742200	CRA122	
	12700500	99K2	12742100	CRA121	
	12700200	94K2	12721100	CRA211	
<b>CRA110</b> 	12720100	CRA111	12721100	CRA211	
		12720500	CRA115	12721500	CRA215

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## CONTROLLERS, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>CRA150</b>					
	12725100	CRA151	12729100	CRK211	
<b>CRB100</b>					
	12660100	CRB111	12663100	CRB211	
	12660300	CRB113	12663100 + 17055600	CRB211 + CRA913	
	12661400	CRB114			
	12662100	CRB121	12665200	CRB221	
	12662200	CRB122			
	12662500	CRB125	12665200 + 17056200	CRB221 + CRA915	

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## CONTROLLERS, ESBE TO ESBE

<b>CRC110</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	12820100	CRC111	12821100	CRC211	
	12820300	CRC113	12821100 + 17055600	CRC211 + CRA913	
	12820500	CRC115	12821100 + 17056200	CRC211 + CRA915	



## CRD100

	12682200	CRD122	12684200	CRD221	
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## CRS130

	12723100	CRS131	12727100	CRS211	
	12723500	CRS135	12727100 + 17056200	CRS211 + CRA915	



## CONTROLLERS, ACASO/ LK/ BAXI/ VEXVE

	Acaso/ LK/ BAXI/ Vexve		ESBE Series CRx200		
	Art. No.	Type	Art. No.	Type	
	1110000	Automix 10 / LK961	12821100	CRC211	
	1120000	Automix 20 / LK962	12665200	CRB221	
	1130000	Automix 30 E / LK963 E	12821100	CRC211	
	1130003	Automix 30 G / LK963 G	12821100	CRC211	
	1130008	Automix 30 D / LK963 D	12820100	CRC211	
	1170008	Automix CTR / LK965	12665200	CRB221	

## CONTROLLERS, DANFOSS

	Danfoss		ESBE Series CRx200		
	Art. No.	Type	Art. No.	Type	
	08781700	ECL Comfort 100	12821100	CRC211	

## CONTROLLERS, TERMOVENTILER

	Termoventiler Thermomatic		ESBE Series CRx200		
	Art. No.	Type	Art. No.	Type	
	121301	Thermomatic CBJ	12663100	CRB211	
	121401	Thermomatic ERA 10	12663100	CRB211	
	121431	Thermomatic ERA 10PE+	12663100 + 17055600	CRB211 + CRA913	
	121501	Thermomatic EC Home	12663100	CRB211	
	123001	Thermomatic K	12721100	CRA211	
	121421	Thermomatic ERA K	12721100	CRA211	
	121422	Thermomatic ERA K	12721100	CRA211	

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## CONTROLLER UNITS, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VRB+CRA</b> 	13040100	VRB141 25-10 & CRA111	13042200	VRB141 25-10 & CRA211 230V 6Nm	
<b>VRG+CRC</b> 	13041000	VRG131 20-6,3 & CRC111	13042000	VRG131 20-6,3 & CRC211 230V 6Nm	
	13041100	VRG131 25-10 & CRC111	13042100	VRG131 25-10 & CRC211 230V 6Nm	



## 5 ROOM THERMOSTATS REPLACEMENT GUIDE

### ROOM THERMOSTATS, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>TMA110</b> 	18000100	TMA111	18000500	TMA115	
	18000200	TMA112	18000600	TMA116	

## 6 SOLID FUEL PRODUCTS REPLACEMENT GUIDE

### THERMAL SAFETY VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VST100</b> 	36027000	VST112 PN10, DN20 95°C	36028000	VST212	

## LOAD VALVES, ESBE TO ESBE

## TV



Art. No.	ESBE discontinued series		Art. No.	ESBE today series	
	Type			Type	
11400600	TV25, Kvs 9	45°C Rp 1"	51020100	VTC511, DN25	Kvs 9 Rp 1" 50°C
11400700	TV25, Kvs 9	55°C Rp 1"	51020200	VTC511, DN25	Kvs 9 Rp 1" 55°C
11400400	TV25, Kvs 9	60°C Rp 1"	51020300	VTC511, DN25	Kvs 9 Rp 1" 60°C
11400100	TV25, Kvs 9	72°C Rp 1"	51020400	VTC511, DN25	Kvs 9 Rp 1" 70°C
11401100	TV32, Kvs 14	45°C Rp 1 1/4"	51020600	VTC511, DN32	Kvs 14 Rp 1 1/4" 50°C
11401200	TV32, Kvs 14	55°C Rp 1 1/4"	51020700	VTC511, DN32	Kvs 14 Rp 1 1/4" 55°C
11400800	TV32, Kvs 14	60°C Rp 1 1/4"	51020800	VTC511, DN32	Kvs 14 Rp 1 1/4" 60°C
11400200	TV32, Kvs 14	72°C Rp 1 1/4"	51020900	VTC511, DN32	Kvs 14 Rp 1 1/4" 70°C
11401500	TV40, Kvs 17	45°C Rp 1 1/2"	51020600	VTC511, DN32	Kvs 14 Rp 1 1/4" 50°C
11401600	TV40, Kvs 17	55°C Rp 1 1/2"	51020700	VTC511, DN32	Kvs 14 Rp 1 1/4" 55°C
11401300	TV40, Kvs 17	60°C Rp 1 1/2"	51020800	VTC511, DN32	Kvs 14 Rp 1 1/4" 60°C
11400300	TV40, Kvs 17	72°C Rp 1 1/2"	51020900	VTC511, DN32	Kvs 14 Rp 1 1/4" 70°C



## VTC530



51025500	VTC531, DN25	Kvs 8 G1" 50°C	51021500	VTC512, DN25	Kvs 9 G1 1/4" 50°C
51025600	VTC531, DN25	Kvs 8 G1" 55°C	51021600	VTC512, DN25	Kvs 9 G1 1/4" 55°C
51025700	VTC531, DN25	Kvs 8 G1" 60°C	51021700	VTC512, DN25	Kvs 9 G1 1/4" 60°C
51027500	VTC531, DN25	Kvs 8 G1" 65°C	51022500	VTC512, DN25	Kvs 9 G1 1/4" 65°C
51025800	VTC531, DN25	Kvs 8 G1" 70°C	51021800	VTC512, DN25	Kvs 9 G1 1/4" 70°C
51026000	VTC531, DN32	Kvs 8 G1 1/4" 50°C	51021500	VTC512, DN25	Kvs 9 G1 1/4" 50°C
51026100	VTC531, DN32	Kvs 8 G1 1/4" 55°C	51021600	VTC512, DN25	Kvs 9 G1 1/4" 55°C
51026200	VTC531, DN32	Kvs 8 G1 1/4" 60°C	51021700	VTC512, DN25	Kvs 9 G1 1/4" 60°C
51027600	VTC531, DN32	Kvs 8 G1 1/4" 65°C	51022500	VTC512, DN25	Kvs 9 G1 1/4" 65°C
51026300	VTC531, DN32	Kvs 8 G1 1/4" 70°C	51021800	VTC512, DN25	Kvs 9 G1 1/4" 70°C
51027000	VTC531, DN50	Kvs 12 G2" 50°C	51022000	VTC512, DN32	Kvs 14 G1 1/2" 50°C
51027100	VTC531, DN50	Kvs 12 G2" 55°C	51022100	VTC512, DN32	Kvs 14 G1 1/2" 55°C
51027200	VTC531, DN50	Kvs 12 G2" 60°C	51022200	VTC512, DN32	Kvs 14 G1 1/2" 60°C
51027800	VTC531, DN50	Kvs 12 G2" 65°C	51022600	VTC512, DN32	Kvs 14 G1 1/2" 65°C
51027300	VTC531, DN50	Kvs 12 G2" 70°C	51022300	VTC512, DN32	Kvs 14 G1 1/2" 70°C



As the main rule an ESBE TV valve DN25 - DN32 can be replaced with a VTC511 or 512 of a matching connection.

Note 1: If the customer has a pellet stove or a boiler with an output of less than 25 kW, we recommend replacing the TV valve with a VTC300. The TV valve can also be replaced by a LTC300 load unit, but then it is important to recognize that there is also a pump integrated in the unit.

Note 2: When using a TV valve, an adjustment valve is recommended for the bypass pipe, but with the new VTC/LTC products no such adjustment valve is needed as long as the maximum differential pressure is not exceeded.



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## LOAD VALVES, HERZ & REGULUS

	HERZ Teplomix with bypass		ESBE Series VTC510		
	Art. No.	Type	Art. No.	Type	
	1776603	DN25, Kvs 11/17 * 61°C G 1¼"	51021700	VTC512, 60°C	
	1776604	DN32, Kvs 14/19 * 61°C G 1½"	51022200	VTC512, 60°C	





	HERZ Teplomix with bypass closing function		ESBE Series VTC510		
	Art. No.	Type	Art. No.	Type	
	1776613	DN25, Kvs 11/17 * 55-63°C G 1¼"	51021700	VTC512, 60°C	
	1776614	DN32, Kvs 14/19 * 55-63°C G 1½"	51022200	VTC512, 60°C	

	REGULUS TSV				ESBE Series VTC300/VTC500		
	Ref.	DN	Connection	Temperature	Art. No.	Type	
	TSV1	32	G 1¼" housing	65°C	51022500	VTC512, 65°C	
	TSV1	32	Rp ½" adapter	65°C	Rp ½" not available		
	TSV1	32	Rp ¾" adapter	65°C	51000300	VTC311, 60°C	
	TSV1	32	Rp 1" adapter	65°C	51021100	VTC511, 65°C	
	TSV1	32	Cu Soldering DN28 adapter	65°C	Soldering adapter not available		
	TSV2	50	G 2" housing	61°C	G 2" not available		
	TSV2	50	Rp 1¼" adapter	61°C	51020800	VTC511, 60°C	

\* Tank/Bypass

These replacement suggestions are primarily based on connection type and size (e.g. Regulus Rp1" → ESBE Rp1"). Please also bear in mind that from a heat output perspective, the general recommendation is that series VTC300 is the best choice for heating systems with a boiler output of up to 30 kW, and series VTC500 is suitable for systems with a boiler output of 150 kW or less.

## LOAD VALVES, ACASO/ BAXI/ LK/ TERMOVAR/ VEXVE

ACASO / TERMOVAR					ESBE Series VTC300/VTC500				
Reference	DN	Kvs	Temp.	Art. No.	Reference	Kvs	Temp.		
	Termovar 15	15	4	45°C	Rp 1/2" only available as adapter (26100700) together with G 1" valve				
	Termovar 15	15	4	55°C					
	Termovar 15	15	4	61°C					
	Termovar 15	15	4	72°C					
	Termovar 15	15	4	80°C					
Termovar 20	20	6	45°C	51000100	VTC311	3,2	45°C		
Termovar 20	20	6	55°C	51000200	VTC311	3,2	55°C		
Termovar 20	20	6	61°C	51000300	VTC311	3,2	60°C		
Termovar 25	25	9	45°C	51020100	VTC511	9	50°C		
Termovar 25	25	9	55°C	51020200	VTC511	9	55°C		
Termovar 25	25	9	61°C	51020300	VTC511	9	60°C		
Termovar 25	25	9	72°C	51020400	VTC511	9	70°C		
Termovar 32	32	12	45°C	51020600	VTC511	14	50°C		
Termovar 32	32	12	55°C	51020700	VTC511	14	55°C		
Termovar 32	32	12	61°C	51020800	VTC511	14	60°C		
Termovar 32	32	12	72°C	51020900	VTC511	14	70°C		
	Termovar 25A	25	6	45°C	51000800	VTC312	2,8	45°C	
	Termovar 25A	25	6	55°C	51000900	VTC312	2,8	55°C	
	Termovar 25A	25	6	61°C	51001000	VTC312	2,8	60°C	
	Termovar 32A	32	9	45°C	51001500	VTC312	3,2	45°C	
					51021500	VTC512	9	50°C	
	Termovar 32A	32	9	55°C	51001600	VTC312	3,2	55°C	
					51021600	VTC512	9	55°C	
	Termovar 32A	32	9	61°C	51001700	VTC312	3,2	60°C	
					51021700	VTC512	9	60°C	
	Termovar 32A	32	9	72°C	51021800	VTC512	9	70°C	
	Termovar 40A	40	12	45°C	51021500	VTC512	9	50°C	
					51022000	VTC512	14	50°C	
	Termovar 40A	40	12	55°C	51021600	VTC512	9	55°C	
					51022100	VTC512	14	55°C	
	Termovar 40A	40	12	61°C	51021700	VTC512	9	60°C	
					51022200	VTC512	14	60°C	
	Termovar 40A	40	12	72°C	51021800	VTC512	9	70°C	
51022300					VTC512	14	70°C		

When replacing an Acaso load valve both connection and Kvs must be taken into consideration. Since the Acaso load valve is generally using smaller connections than ESBE, two choices have been presented for a number of Acaso version. The first choice is with matching connections, the other with matching Kvs.



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## SOLID FUEL KITS, ESBE TO ESBE

<b>SFK100</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	55021500	SFK141 VRG332 + CRA111 Wilo	55021600	SFK141 VRG332 + CRA211 Wilo	

## DRAUGHT REGULATOR, ESBE TO ESBE

<b>ATA100</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	31800200	C20/ ATA102 40-95°C G¾"	56001100	ATA212 35-95°C G¾"	
	31800300	C20/ ATA102 40-95°C G1"	56001100	ATA212 35-95°C G¾"	

## LOAD UNITS, ESBE TO ESBE

LTC100	ESBE discontinued series					ESBE today series					
	Art. No.	Type	Power (kW) [max. Δt]		Opening temp.	Art. No.	Type	Power * (kW) [max. Δt]		Opening temp.	
	55000200	LTC141, DN25 G 1"	75	35	55°C	55006000	LTC361, DN25 G 1"	90	35	55°C±5°C	
	55000300		65	30	60°C	55006100		80	30	60°C±5°C	
	55001100		55	25	65°C	55006200		65	25	65°C±5°C	
	55000400		45	20	70°C	55006300		55	20	70°C±5°C	
	55000700	LTC141, DN32 G 1 1/4"	75	35	55°C	55006400	LTC361, DN32 G 1 1/4"	90	35	55°C±5°C	
	55000800		65	30	60°C	55006500		80	30	60°C±5°C	
	55001200		55	25	65°C	55006600		65	25	65°C±5°C	
	55000900		45	20	70°C	55006700		55	20	70°C±5°C	
	55002600	LTC171, DN40 G 1 1/2"	105	35	55°C	55006800	LTC381, DN40 G 1 1/2"	110	35	55°C±5°C	
	55002700		90	30	60°C	55006900		100	30	60°C±5°C	
	55003500		75	25	65°C	55005200		80	25	65°C±5°C	
<b>LTC200</b>											
	55004000	LTC261, DN25 G 1"	95	35	55°C±5°C	55006000	LTC361, DN25 G 1"	90	35	55°C±5°C	
	55004100		80	30	60°C±5°C	55006100		80	30	60°C±5°C	
	55004200		65	25	65°C±5°C	55006200		65	25	65°C±5°C	
	55004300		55	20	70°C±5°C	55006300		55	20	70°C±5°C	
	55004400	LTC261, DN32 G 1 1/4"	95	35	55°C±5°C	55006400	LTC361, DN32 G 1 1/4"	90	35	55°C±5°C	
	55004500		80	30	60°C±5°C	55006500		80	30	60°C±5°C	
	55004600		65	25	65°C±5°C	55006600		65	25	65°C±5°C	
	55004700		55	20	70°C±5°C	55006700		55	20	70°C±5°C	
	55007200	LTC271, DN40 G 1 1/2"	115	35	55°C±5°C	55006800	LTC381, DN40 G 1 1/2"	110	35	55°C±5°C	
	55007300		100	30	60°C±5°C	55006900		95	30	60°C±5°C	
	55007400		80	25	65°C±5°C	55005200		80	25	65°C±5°C	

\* The following recommendations apply only for this product. For the overall system requirements, restrictions in the possible power output can occur.


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## LOAD UNITS, ACASO / TERMOVAR

ACASO / TERMOVAR				ESBE Series LTC300							
DN	Connection	Temperature	Code No.	Reference	DN	Connection	Opening temp.	max. Heat Output [kW]	max. Δt		
	25	Rp 1"	55°C	55006000	LTC361	25	G 1"	55°C±5°C	90	35	
	25	Rp 1"	61°C	55006100				60°C±5°C	80	30	
	25	Rp 1"	72°C	55006200				65°C±5°C	65	25	
				55006300				70°C±5°C	55	20	
	25	Rp 1"	80°C	55006300		70°C±5°C	55	20			
	32	Rp 1¼"	55°C	55006400		LTC361	32	G 1¼"	55°C±5°C	90	35
	32	Rp 1¼"	61°C	55006400					55°C±5°C	90	35
	32	Rp 1¼"	72°C	55006500					60°C±5°C	80	30
32	Rp 1¼"	80°C	55006700	70°C±5°C	55				20		

When replacing an Acaso load unit both connection and boiler heat output must be taken into consideration. The general recommendation is that series LTC360 is the best choice for heating systems with a boiler output up to 55 kW, and series LTC380 is suitable for systems with a boiler output of 80/100 kW or less.



**Important!** The Acaso load unit has an opening temperature of 55°C, 61°C, 72°C or 80°C, but the mixing temperature is significantly lower, which means the Acaso versions 61°C, 72°C and 80°C must be replaced by a ESBE LTC300 with a lower opening temperature (e.g. Acaso 72°C → ESBE 60°C, see table above).

## LOAD UNITS, TERMOVENTILER

Termoventiler Laddomat 20				ESBE Series LTC300								
DN	Connection/Pump	Temperature	Heat Output [kW]	Code No.	Reference	DN	Connection/Pump	Opening temp.	max. Heat Output [kW]	max. Δt		
	25	R 1"/4 m	63°C	≤ 60	55005300	LTC341	25	G 1"/4 m	55°C±5°C	60	35	
					55006000	LTC361		G 1"/6 m		90	35	
	25	R 1"/4 m	66°C	≤ 60	55005400	LTC341		G 1"/4 m	60°C±5°C	50	30	
					55006100	LTC361		G 1"/6 m		80	30	
	25	R 1"/4 m	72°C	≤ 60	55005500	LTC341		G 1"/4 m	65°C±5°C	45	25	
					55006200	LTC361		G 1"/6 m		65	25	
	25	R 1"/4 m	78°C	≤ 60	55006300	LTC361		G 1"/6 m	70°C±5°C	50	20	
	25	R 1"/9 m	63°C	≤ 60	55006800	LTC381		40	G 1½"/8 m	55°C±5°C	110	35
	25	R 1"/9 m	66°C	≤ 60	55006900				G 1½"/8 m	60°C±5°C	95	30
	25	R 1"/9 m	72°C	≤ 60	55005200				G 1½"/8 m	65°C±5°C	80	25

**Important!** The Laddomat 20 has an opening temperature of 53°C, 57°C, 63°C, 66°C, 72°C, 78°C, 83°C or 87°C, but the mixing temperature is significantly lower, which means it must be replaced by a ESBE LTC300 with a lower opening temperature (e.g. Laddomat 72°C → ESBE 65°C, see table above).



## LOAD UNITS, TERMOVENTILER

Termoventiler Laddomat 21-60					ESBE Series LTC300						
DN	Connection/ Pump	Temperature	Heat Output [kW]	Code No.	Reference	DN	Connection/ Pump	Opening temp.	max. Heat Output [kW]	max. Δt	
	32	R 1 1/4"/ 6 m	63°C	≤ 80	55006400	LTC361	32	G 1 1/4"/ 6 m	55°C±5°C	90	35
	32	R 1 1/4"/ 6 m	66°C	≤ 80	55006500	LTC361	32	G 1 1/4"/ 6 m	60°C±5°C	80	30
					55006900	LTC381	40	G 1 1/2"/ 8 m	60°C±5°C	95	30
	32	R 1 1/4"/ 6 m	72°C	≤ 80	55006600	LTC361	32	G 1 1/4"/ 6 m	65°C±5°C	65	25
					55005200	LTC381	40	G 1 1/2"/ 8 m	65°C±5°C	80	25
	32	R 1 1/4"/ 6 m	78°C	≤ 80	55006700	LTC361	32	G 1 1/4"/ 6 m	70°C±5°C	50	20
											

When replacing a Laddomat 21-60 load unit both connection and boiler heat output must be taken into consideration. Two choices have been presented for some of the Laddomat 21-60 versions; the first choice is with matching connections, the other with higher heat output.

**Important!** The Laddomat 21-60 has an opening temperature of 53°C, 57°C, 63°C, 66°C, 72°C, 78°C, 83°C or 87°C, but the mixing temperature is significantly lower, which means it must be replaced by a ESBE LTC300 with a lower opening temperature (e.g. Laddomat 72°C → ESBE 65°C, see table above).

## LOAD UNITS, LK

LK 810 ThermoMat 2.0 Eco					ESBE Series LTC300							
DN	Connection	Temperature	Heat Output [kW]	Code No.	Reference	DN	Connection	Opening temp.	max. Heat Output [kW]	max. Δt		
	25	Rp 1"	55°C	≤ 65	55006000	LTC361	25	G 1"	55°C±5°C	90	35	
	25	Rp 1"	60°C	≤ 65	55006100				60°C±5°C	80	30	
	25	Rp 1"	65°C	≤ 65	55006200				65°C±5°C	65	25	
	25	Rp 1"	70°C	≤ 65	55006300				70°C±5°C	50	20	
	32	Rp 1 1/4"	55°C	≤ 65	55006400		32	G 1 1/4"	55°C±5°C	90	35	
	32	Rp 1 1/4"	60°C	≤ 65	55006500				60°C±5°C	80	30	
	32	Rp 1 1/4"	65°C	≤ 65	55006600				65°C±5°C	65	25	
	32	Rp 1 1/4"	70°C	≤ 65	55006700				70°C±5°C	50	20	
	32	Rp 1 1/4"	55°C	≤ 65	55006800		LTC381	40	G 1 1/2"	55°C±5°C	110	35
	32	Rp 1 1/4"	60°C	≤ 65	55006900					60°C±5°C	95	30
	32	Rp 1 1/4"	65°C	≤ 65	55995200					65°C±5°C	80	25
												

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## DIVERTING VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VZA</b>					
	43020200	VZA161 DN20 Kvs 6,5 Rp 3/4" IP20	43080100 <sup>1)</sup>	VZD161	
	43020600	VZA162 DN15 Kvs 3,5 G 3/4" IP20	43060600	VZC162	
	43020700	VZA162 DN20 Kvs 6,5 G 1" IP20	43060700		
	43020800		43060800		
	43021200*	VZA152 DN20 Kvs 6,5 G 1" IP20	43060800 <sup>2)</sup>	VZC162	
	43021400	VZA263 DN20 Kvs 4,5 CPF 22mm IP20	43061400	VZC263	
	43021600	VZA263 DN25 Kvs 6,5 CPF 28mm IP20	43061600		
<b>VZB</b>					
	43040100	VZB161 DN20 Kvs 6,5 Rp 3/4" IP40	43080100	VZD161	
	43040300	VZB162 DN15 Kvs 3,5 G 3/4" IP40	43080300	VZD162	
	43040400	VZB162 DN20 Kvs 6,5 G 1" IP40	43080400		
	43040700	VZB263 DN20 Kvs 4,5 CPF 22mm IP40	43080700	VZD263	
	43040800	VZB263 DN25 Kvs 6,5 CPF 28mm IP40	43080800		
<b>VZC</b>					
	43060200	VZC161 DN20 Kvs 6,0 Rp 3/4" IP20	43080100 <sup>1)</sup>	VZD161	
	43061200*	VZC152 DN20 Kvs 6,0 G 1" IP20	43060800 <sup>2)</sup>	VZC162	




\* With auxiliary switch 1) Fixed cable 2) Without auxiliary switch

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## DIVERTING VALVES & ZONE VALVES, ESBE TO ESBE

<b>ZV2</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	4390215012	ZV2-15 DN15 Kvs 3,5 Rp 1/2" 230V AC	43122100	ZRS224	
	4390220012	ZV2-20 DN20 Kvs 4,4 Rp 3/4" 230V AC	43122200		
	4390225012	ZV2-25 DN25 Kvs 4,5 Rp 1" 230V AC	43122300		



### ZV3

	4390315012	ZV3-15 DN15 Kvs 3,5 Rp 1/2" 230V AC	43123100	ZRS234	
	4390320012	ZV3-20 DN20 Kvs 4,4 Rp 3/4" 230V AC	43123200		
	4390325012	ZV3-25 DN25 Kvs 4,5 Rp 1" 230V AC	43123300		



### ZRS100

	43120100	ZRS124 DN15 Kvs 3,2 G 1/2" 230V AC	43122100	ZRS224	
	43120200	ZRS124 DN20 Kvs 4,6 G 3/4" 230V AC	43122200		
	43120300	ZRS124 DN25 Kvs 5,7 G 1" 230V AC	43122300		
	43120400	ZRS124 DN32 Kvs 8,4 G 1 1/4" 230V AC	43122400		
	43121100	ZRS134 DN15 Kvs 3,2 G 1/2" 230V AC	43123100	ZRS234	
	43121200	ZRS134 DN20 Kvs 4,6 G 3/4" 230V AC	43123200		
	43121300	ZRS134 DN25 Kvs 5,7 G 1" 230V AC	43123300		
	43121400	ZRS134 DN32 Kvs 8,4 G 1 1/4" 230V AC	43123400		

## DIVERTING VALVES, SIEMENS - LANDIS & STAЕFA

	Siemens - Landis & Staefa	ESBE Series VZD		
	Art. No.	Art. No.	Type	
	MXE22.20/180	43080100	VZD161 2-P 230V Rp3/4" DN20-6,0	

## DIVERTING VALVES, HONEYWELL

	Honeywell	ESBE Series VZD		
	Art. No.	Art. No.	Type	
	V4044C1189U	43080100	VZD161 2-P 230V Rp3/4" DN20-6,0	
	V4044F1000/U	43080100	VZD161 2-P 230V Rp3/4" DN20-6,0	

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## THERMOSTATIC MIXING VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series			
	Art. No.	Type	Art. No.	Type	Temperature range	
<b>30LR</b>						
	8202	30LR G 1/2" 35-60°C	31050200	VTA312	35-60°C	
	8201	30LR CPF 15mm 35-60°C	31050100	VTA313	35-60°C	
	8204	30LR CPF 22mm 35-60°C	31050400		35-60°C	
	8205	30LR CPF 22mm 30-70°C	31050500		30-70°C	
<b>30MR</b>						
	8103	30MR Rp 1/2" 20-43°C	31100300	VTA321	20-43°C	
	8107	30MR Rp 3/4" 20-43°C	31100700		20-43°C	
	8104	30MR Rp 1/2" 35-60°C	31100400		35-60°C	
	8108	30MR Rp 3/4" 35-60°C	31100800		35-60°C	
	8133	30MR G 1/2" 20-43°C	31102800	VTA322	20-43°C	
	8105	30MR G 3/4" 20-43°C	31100500		20-43°C	
	8109	30MR G 1" 20-43°C	31100900		20-43°C	
	8134	30MR G 1/2" 35-60°C	31102900		35-60°C	
	8106	30MR G 3/4" 35-60°C	31100600		35-60°C	
	8110	30MR G 1" 35-60°C	31101000		35-60°C	
	8131	30MR CPF 15mm 20-43°C	31102600	VTA323	20-43°C	
	8101	30MR CPF 22mm 20-43°C	31100100		20-43°C	
	8132	30MR CPF 15mm 35-60°C	31102700		35-60°C	
	8146	30MR CPF 18mm 35-60°C	31103900		35-60°C	
	8102	30MR CPF 22mm 35-60°C	31100200		35-60°C	
	8127	30MR CPF 22mm 35-60°C	31350500		35-60°C	
<b>30HR</b>						
	8010	S30 20HR G 3/4" 32-49°	31150200	VTA332	32-49°C	
	8007	30HR G 3/4" 35-60°	31150700		35-60°C	
	8011	30HR G 1" 35-60°	31150900		35-60°C	
<b>30HV</b>						
	8310	S30 20HV G 3/4" 32-49°	31151400	VTA362	32-49°C	
	8302	30HV G 3/4" 35-60°	31151100		35-60°C	
	8303	30HV G 1" 35-60°	31151200		35-60°C	

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## THERMOSTATIC MIXING VALVES, ESBE TO ESBE

VTA200	ESBE discontinued series		ESBE today series			
	Art. No.	Type	Art. No.	Type	Temperature range	
	31301200	VTA222, 38-65°C G 1"	31620200	VTA522	45-65°	
	31301600	VTA222, 20-40°C G 1"	31620100		20-43°C	
	31300100	VTA223, 38-65°C CPF 28mm	31621700	VTA523	45-65°	
	31300700	VTA223, 20-40°C CPF 28mm	31621600		20-43°C	
	31301300	VTA272, 20-40°C G 1"	31702100	VTA572	20-55°C	
<b>VTA300</b>						
	31150300	VTA333, 35-60°C CPF22	31100200	VTA323	35-60°C	
	31152100	VTA333 35-60°C CPF15	31102700			
	31151000	VTA363 35-60°C CPF22	31105200	VTA353	35-60°C	
	31105300	VTA372, 20-43°C G 1"	31200100	VTA372	20-55°C	
	31105400	VTA372, 35-60°C G 1"	31200400		30-70°C	
	31105500	VTA377, 20-43°C PF1½-G 1"	31200200	VTA377	20-55°C	
	31105700	VTA378, 20-43°C RN1-G 1"	31200300	VTA378	20-55°C	

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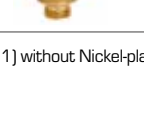

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## THERMOSTATIC MIXING VALVES, ESBE TO ESBE

<b>VTA400</b>	ESBE discontinued series		ESBE today series					
	Art. No.	Type	Art. No.	Type	Temperature range			
	406	15R, 38-65°C Rp 1/2"	31100400	VTA321	35-60°C			
	472	15R-AS, 38-65°C Rp 1/2"	31100400		35-60°C			
	472L	15R-AS, 20-40°C Rp 1/2"	31100300		20-43°C			
	407	20R, 38-65°C Rp 3/4"	31100800		35-60°C			
	474	20R-AS, 38-65°C Rp 3/4"	31100800		35-60°C			
	474L	20R-AS, 20-40°C Rp 3/4"	31100700		20-43°C			
	410	15RA, 38-65°C G 1/2"	31050200	VTA312	35-60°C			
	410L	15RA, 20-40°C G 1/2"	31102800	VTA322	20-43°C			
	408	20RA, 38-65°C G 3/4"	31100600		35-60°C			
	471	20RA-AS, 38-65°C G 3/4"	31100600		35-60°C			
	471L	20RA-AS, 20-40°C G 3/4"	31100500		20-43°C			
	409	25RA, 38-65°C G 1"	31101000		35-60°C			
	475	25RA-AS, 38-65°C G 1"	31101000		35-60°C			
	475L	25RA-AS, 20-40°C G 1"	31100900		20-43°C			
	401	15, 38-65°C CPF 15 mm	31050100	VTA313	35-60°C			
	401L	15, 20-40°C CPF 15 mm	31102600	VTA323	20-43°C			
	403	18, 38-65°C CPF 18 mm	31100200		35-60°C			
	404	20, 38-65°C CPF 22 mm	31050400	VTA313	35-60°C			
	404L	20, 38-65°C CPF 22 mm	31100100	VTA323	20-43°C			
	414	20K, 35-60°C CPF 22 mm	31350500		35-60°C			
	470	20-AS, 38-65°C CPF 22 mm	31100200		35-60°C			
	470L	20-AS, 20-40°C CPF 22 mm	31100100		20-43°C			
	416	28, 38-65°C CPF 28 mm	31621700		VTA523		45-65°C	
	476	28-AS, 38-65°C CPF 28mm	31621700				45-65°C	
	476L	28-AS, 20-40°C CPF 28mm	31621600	20-43°C				

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## THERMOSTATIC MIXING VALVES, ESBE TO ESBE

VTA500	ESBE discontinued series		ESBE today series			
	Art. No.	Type	Art. No.	Type	Temperature range	
	31621400	VTA523, 45-65°C G1"+CPF22	31621700 <sup>2)</sup>	VTA523	45-65°	
	31641000	VTA532, 35-50°C G1"	31620200 <sup>1)</sup>	VTA522	45-65°	
	31640100	VTA532, 45-65°C G1"				
	31641100	VTA532, 35-50°C G1 1/4"	31620500 <sup>1)</sup>			
	31640200	VTA532, 45-65°C G1 1/4"				
	31641200	VTA532, 35-50°C G1"+R3/4"	31620800 <sup>1)</sup>	VTA522	45-65°	
	31640300	VTA532, 45-65°C G1"+R3/4"				
	31641300	VTA532, 35-50°C G1 1/4"+R1"	31621100 <sup>1)</sup>			
	31640400	VTA532 45-65°C R1 1/4"+G1"				
	31641400	VTA533, 35-50°C G1"+CPF22	31621700 <sup>1)2)</sup>	VTA523	45-65°	
	31640500	VTA533 45-65°C G1"+CPF22				
	31641500	VTA533, 35-50°C G1 1/4"+CPF28	31621700 <sup>1)</sup>			
	31640600	VTA533, 45-65°C G1 1/4"+CPF28				
	31660800	VTA552, 45-65°C G1"+R3/4"	31620200 + 36551700	VTA552 + KTD112	45-65°	
	31661100	VTA552, 45-65°C G1 1/4"+R1"	31660500 + 36551800	VTA552 + KTD112	45-65°	
	31681000	VTA562, 35-50°C G1"	31660200 <sup>1)</sup>	VTA552	45-65°	
	31680100	VTA562, 45-65°C G1"				
	31681100	VTA562, 35-50°C G1 1/4"	31660500 <sup>1)</sup>			
	31680200	VTA562, 45-65°C G1 1/4"				
	31681200	VTA562, 35-50°C G1"+R3/4"	31620200 + 36551700	VTA552 + KTD112	45-65°	
	31680300	VTA562, 45-65°C G1"+R3/4"				
	31681300	VTA562, 35-50°C G1 1/4"+R1"	31660500 + 36551800			
	31680400	VTA562 45-65°C G1 1/4"+R1"				
	31700200	VTA572, 20-43°C G 1"	31702100	VTA572	20-55°C	
	31700500	VTA572, 20-43°C G 1 1/4"	31702200		30-70°C	
	31700300	VTA572, 45-65°C G 1"	31702500			
	31700600	VTA572, 45-65°C G 1 1/4"	31702600			
	31701100	VTA577, 20-43°C PF1 1/2-G 1"	31702300	VTA577	20-55°C	
	31701700	VTA578, 20-43°C RN1-G 1"	31702400	VTA578		

1) without Nickel-plating 2) CPF28

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## THERMOSTATIC MIXING VALVES, AFRISO

	Afriso ATM 33x/34x/36x/56x/76x/88x		ESBE series VTA300/VTA500			
	Art. No.	Type	Art. No.	Type	Temperature range	
	1234110	ATM341 DN15 G 3/4" 20-43°C Kvs 1,6	31100500	VTA322 DN15 G 3/4" Kvs 1,5	20-43°C	
	1234310	ATM343 DN15 G 3/4" 35-60°C Kvs 1,6	31100600	VTA322 DN15 G 3/4" Kvs 1,5	35-60°C	
	1236110	ATM361 DN20 G 1" 20-43°C Kvs 1,6	31100900	VTA322 DN20 G 1" Kvs 1,6	20-43°C	
	1236310	ATM363 DN20 G 1" 35-60°C Kvs 1,6	31101000	VTA322 DN20 G 1" Kvs 1,6	35-60°C	
	1233110	ATM331 DN20 G 3/4" 20-43°C Kvs 1,6	31100700	VTA321 DN20 Rp 3/4" Kvs 1,6	20-43°C	
	1233310	ATM333 DN20 G 3/4" 35-60°C Kvs 1,6	31100800	VTA321 DN20 Rp 3/4" Kvs 1,6	35-60°C	
	1256110	ATM561 DN20 G 1" 20-43°C Kvs 2,5	31620100	VTA522 DN20 G 1" Kvs 3,2	20-43°C	
	1256310	ATM563 DN20 G 1" 35-60°C Kvs 2,5	31620200	VTA522 DN20 G 1" Kvs 3,2	45-65°C	
	1234144	ATM341 DN15 G 3/4" 20-43°C Kvs 1,6 +G 3/4"	31620700	VTA522 DN15 G 1"+R 3/4" Kvs 3,0	20-43°C	
	1234344	ATM343 DN15 G 3/4" 35-60°C Kvs 1,6 +G 3/4"	31620800	VTA522 DN15 G 1"+R 3/4" Kvs 3,0	35-60°C	
	1236144	ATM361 DN20 G 3/4" 20-43°C Kvs 1,6 +G 3/4"	31620700	VTA522 DN15 G 1"+R 3/4" Kvs 3,0	20-43°C	
	1236344	ATM363 DN20 G 3/4" 35-60°C Kvs 1,6 +G 3/4"	31620800	VTA522 DN15 G 1"+R 3/4" Kvs 3,0	45-65°C	
	1256144	ATM561 DN20 G 1" 20-43°C Kvs 2,5 +G 1"	31621000	VTA522 DN20 G 1 1/4"+R 1" Kvs 3,4	20-43°C	
	1256344	ATM563 DN20 G 1" 35-60°C Kvs 2,5 +G 1"	31621100	VTA522 DN20 G 1 1/4"+R 1" Kvs 3,4	45-65°C	
	1276110	ATM761 DN20 G 1" 20-43°C Kvs 3,2	31620100	VTA522 DN20 G 1" Kvs 3,2	20-43°C	
	1276310	ATM763 DN20 G 1" 35-65°C Kvs 3,2	31620200	VTA522 DN20 G 1" Kvs 3,2	45-65°C	
	1288110	ATM881 DN25 G 1 1/4" 20-43°C Kvs 4,2	31702200	VTA572 DN25 G 1 1/4" Kvs 4,8	20-55°C	
	1288310	ATM883 DN25 G 1 1/4" 35-65°C Kvs 4,2	31702600	VTA572 DN25 G 1 1/4" Kvs 4,8	30-70°C	





## THERMOSTATIC MIXING VALVES, LK

	LK 551 Hydromix		ESBE series VTA320			
	Art. No.	Type	Art. No.	Type	Temperature range	
	181616	Rp 1/2" Kvs 1,5 25-45°C	31100300	VTA321 DN15 Rp 1/2" Kvs 1,5	20-43°	
	181617	Rp 3/4" Kvs 1,6 25-45°C	31100700	VTA321 DN20 Rp 3/4" Kvs 1,6	20-43°	
	181455	Rp 1/2" Kvs 1,5 35-65°C	31100400	VTA321 DN15 Rp 1/2" Kvs 1,5	35-60°	
	181486	Rp 3/4" Kvs 1,6 35-65°C	31100800	VTA321 DN20 Rp 3/4" Kvs 1,6	35-60°	
	181618	G 1/2" Kvs 1,3 25-45°C	31102800	VTA322 DN10 G 1/2" Kvs 1,2	20-43°	
	181619	G 3/4" Kvs 1,5 25-45°C	31100500	VTA322 DN15 G 3/4" Kvs 1,5	20-43°	
	181620	G 1" Kvs 1,6 25-45°C	31100900	VTA322 DN20 G 1" Kvs 1,6	20-43°	
	181452	G 1/2" Kvs 1,3 35-65°C	31102900	VTA322 DN10 G 1/2" Kvs 1,2	35-60°	
	181453	G 3/4" Kvs 1,5 35-65°C	31100600	VTA322 DN15 G 3/4" Kvs 1,5	35-60°	
	181454	G 1" Kvs 1,6 35-65°C	31101000	VTA322 DN20 G 1" Kvs 1,6	35-60°	
	181621	CPF15mm Kvs 1,3 25-45°C	31102600	VTA323 DN15 CPF15 Kvs 1,2	20-43°	
	181622	CPF22mm Kvs 1,6 25-45°C	31100100	VTA323 DN20 CPF22 Kvs 1,5	20-43°	
	181523	CPF15mm Kvs 1,3 35-55°C	31102700	VTA323 DN15 CPF15 Kvs 1,2	35-60°	
	181487	CPF22mm Kvs 1,6 35-55°C	31100200	VTA323 DN20 CPF22 Kvs 1,5	35-60°	
	181456	CPF15mm Kvs 1,3 35-65°C	31102700	VTA323 DN15 CPF15 Kvs 1,2	35-60°	
	181457	CPF22mm Kvs 1,6 35-65°C	31100200	VTA323 DN20 CPF22 Kvs 1,5	35-60°	

## THERMOSTATIC MIXING VALVES, BEULCO

	Beulco		ESBE Series VTA323			
	Art. No.	Type	Art. No.	Type	Temperature range	
	496202000	CPF22mm Kvs 1,6 35-65°C	31100200	VTA323 DN20 CPF22 Kvs 1,5	35-60°	

## THERMOSTATIC MIXING VALVES, TA

	TA-Mix		ESBE Series VTA320			
	Art. No.	Type	Art. No.	Type	Temperature range	
	52730-001	M28x1,5 Kvs 1,6 35-65°C	31100800*	VTA321 DN20 Rp3/4" Kvs 1,6	35-60°	
	52730-022	CPF22 Kvs 1,6 35-65°C	31100200*	VTA323 DN20 CPF22 Kvs 1,5	35-60°	





\* Location of hot and cold water inlet differs. Some pipe work adaptations may be required.

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## THERMOSTATIC UNITS, ESBE TO ESBE

1450	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	1450004	1450, 35-60°C CPF 22mm	31502100	VMB423	
	1450005	1450, 35-60°C CPF 22mm 0,9 MPa	31502400	VMB423	

### VMB100/VMB200

	31500600	VMB123 35-60°C CPF 15mm	31502000	VMB423	
	31500100	VMB123 35-60°C CPF 22mm	31502100		
	31500900	VMB223 35-60°C CPF 22mm 0,6 MPa	31502200		
	31500300	VMB223 35-60°C CPF 22mm 0,7 MPa	31502300		
	31500200	VMB223 35-60°C CPF 22mm 0,9 MPa	31502400		

### VMC300

	31520400	VMC312, G 1" 45°C	31521000	VMC322	
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## THERMOSTATIC UNITS, LK

	LK 548 AquaKit		ESBE series VMB423		
	Art. No.	Type	Art. No.	Type	
	090085	CPF22 Kvs 1,8	31502100	VMB423 35-60°C CPF22mm DN20	
	090103	CPF15 Kvs 1,8	31502600	VMB423 35-60°C CPF15mm DN15 1,0MPa	
	LK 551 HydroKit Solar		ESBE series VMC300/VMC500		
	Art. No.	Type	Art. No.	Type	
	181588	G 3/4" 42-52°C	31521300	VMC322 G1"+R3/4" 45°C	
			31525000	VMC322 G1"+R3/4" 42-52°C	
	181690	G 3/4" 35-65°C	31521000	VMC322 G1" 45°C	
	LK 551 Hydromix - Diverting valve		ESBE series VTD500		
	Art. No.	Type	Art. No.	Type	
	182143	G 1" Kvs 1,6 46-56°C	31580100	VTD582 DN20 G 1" 42-52°C Kvs 2,8	
	LK 551 HydroKit HWC		ESBE series VTR300		
	Art. No.	Type	Art. No.	Type	
	91782	G 3/4" Kvs 1,6 35-65°C	31400100	VTR322 DN20 G 1"+R 3/4" 35-60°C Kvs 1,6	

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## LINEAR VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VL2TB</b>					
	7001	VL2TB DN15 Kvs 0,25 PN16	21250100	VLE122	
	7002	VL2TB DN15 Kvs 0,4 PN16	21250200		
	7003	VL2TB DN15 Kvs 0,63 PN16	21250300		
	7004	VL2TB DN15 Kvs 1 PN16	21250400		
	7005	VL2TB DN15 Kvs 1,6 PN16	21250500		
	7006	VL2TB DN15 Kvs 2,5 PN16	21250600		
	7007	VL2TB DN15 Kvs 4 PN16	21250700		
	7008	VL2TB DN20 Kvs 6,3 PN16	21250800		
	7009	VL2TB DN25 Kvs 10 PN16	21250900		
	7010	VL2TB DN32 Kvs 16 PN16	21251000		
	7011	VL2TB DN40 Kvs 25 PN16	21251100		
	7012	VL2TB DN50 Kvs 38 PN16	21251200		
<b>VL3TB</b>					
	7013	VL3TB DN15 Kvs 1,6 PN16	21251300	VLE132	
	7014	VL3TB DN15 Kvs 2,5 PN16	21251400		
	7015	VL3TB DN15 Kvs 4 PN16	21251500		
	7016	VL3TB DN20 Kvs 6,3 PN16	21251600		
	7017	VL3TB DN25 Kvs 10 PN16	21251700		
	7018	VL3TB DN32 Kvs 16 PN16	21251800		
	7019	VL3TB DN40 Kvs 25 PN16	21251900		
	7020	VL3TB DN50 Kvs 38 PN16	21252000		
<b>VL2TA</b>					
	7025	VL2TA DN15 Kvs 1,6 PN16	21150100	VLA121	
	7026	VL2TA DN15 Kvs 1,6 PN16	21150200		
	7027	VL2TA DN15 Kvs 4,0 PN16	21150300		
	7028	VL2TA DN20 Kvs 6,3 PN16	21150400		
	7029	VL2TA DN25 Kvs 10 PN16	21150500		
	7030	VL2TA DN32 Kvs 16 PN16	21150600		
	7031	VL2TA DN40 Kvs 25 PN16	21150700		
	7032	VL2TA DN50 Kvs 38 PN16	21150800		
<b>VL3TA</b>					
	7033	VL3TA DN15 Kvs 1,6 PN16	21150900	VLA131	
	7034	VL3TA DN15 Kvs 2,5 PN16	21151000		
	7035	VL3TA DN15 Kvs 4,0 PN16	21151100		
	7036	VL3TA DN20 Kvs 6,3 PN16	21151200		
	7037	VL3TA DN25 Kvs 10 PN16	21151300		
	7038	VL3TA DN32 Kvs 16 PN16	21151400		
	7039	VL3TA DN40 Kvs 25 PN16	21151500		
	7040	VL3TA DN50 Kvs 38 PN16	21151600		

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## LINEAR VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VL2FD</b>					
	7101	VL2FD DN15 Kvs 0,25 PN25	21300100	VLC125	
	7102	VL2FD DN15 Kvs 0,4 PN25	21300200		
	7103	VL2FD DN15 Kvs 0,63 PN25	21300300		
	7104	VL2FD DN15 Kvs 1 PN25	21300400		
	7105	VL2FD DN15 Kvs 1,6 PN25	21300500		
	7106	VL2FD DN15 Kvs 2,5 PN25	21300600		
	7107	VL2FD DN15 Kvs 4 PN25	21300700		
	7108	VL2FD DN20 Kvs 6,3 PN25	21300800		
	7402	VL2FD DN25 Kvs 2,5 PN25	21301800		
	7403	VL2FD DN25 Kvs 4,0 PN25	21301900		
	7404	VL2FD DN25 Kvs 6,3 PN25	21302000		
	7109	VL2FD DN25 Kvs 10 PN25	21300900		
	7110	VL2FD DN32 Kvs 16 PN25	21301000		
	7405	VL2FD DN40 Kvs 1,6 PN25	21302100		
	7406	VL2FD DN40 Kvs 2,5 PN25	21302200		
	7407	VL2FD DN40 Kvs 4,0 PN25	21302300		
	7408	VL2FD DN40 Kvs 6,3 PN25	21302400		
	7409	VL2FD DN40 Kvs 10 PN25	21302500		
7410	VL2FD DN40 Kvs 16 PN25	21302600			
7111	VL2FD DN40 Kvs 25 PN25	21301100			
7112	VL2FD DN50 Kvs 38 PN25	21301200			
<b>VL2FDA</b>					
	7121	VL2FDA DN25 Kvs 10 PN25	21301300	VLC225	
	7122	VL2FDA DN32 Kvs 16 PN25	21301400		
	7123	VL2FDA DN40 Kvs 25 PN25	21301500		
	7124	VL2FDA DN50 Kvs 38 PN25	21301600		

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## LINEAR VALVES, ESBE TO ESBE


	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VL2FA</b>					
	7125	VL2FA DN15 Kvs 1,6 PN16	21200100	VLA325	
	7126	VL2FA DN15 Kvs 2,5 PN16	21200200		
	7127	VL2FA DN15 Kvs 4,0 PN16	21200300		
	7128	VL2FA DN20 Kvs 6,3 PN16	21200400		
	7129	VL2FA DN25 Kvs 10 PN16	21200500		
	7130	VL2FA DN32 Kvs 16 PN16	21200600		
	7131	VL2FA DN40 Kvs 25 PN16	21200700		
	7132	VL2FA DN50 Kvs 38 PN16	21200800		
	7757	VL2FA DN65 Kvs 63 PN16	21220100	VLB325	
	7758	VL2FA DN80 Kvs 100 PN16	21220200		
	7759	VL2FA DN100 Kvs 160 PN16	21220300		
	7760	VL2FA DN125 Kvs 250 PN16	21220400		
	7761	VL2FA DN150 Kvs 340 PN16	21220500		
<b>VL3FA</b>					
	7133	VL3FA DN15 Kvs 1,6 PN16	21200900	VLA335	
	7134	VL3FA DN15 Kvs 2,5 PN16	21201000		
	7135	VL3FA DN15 Kvs 4,0 PN16	21201100		
	7136	VL3FA DN20 Kvs 6,3 PN16	21201200		
	7137	VL3FA DN25 Kvs 10 PN16	21201300		
	7138	VL3FA DN32 Kvs 16 PN16	21201400		
	7139	VL3FA DN40 Kvs 25 PN16	21201500		
	7140	VL3FA DN50 Kvs 38 PN16	21201600		
	7762	VL3FA DN65 Kvs 63 PN16	21221100	VLB335	
	7763	VL3FA DN80 Kvs 100 PN16	21221200		
	7764	VL3FA DN100 Kvs 160 PN16	21221300		
	7765	VL3FA DN125 Kvs 250 PN16	21221400		
	7766	VL3FA DN150 Kvs 340 PN16	21221500		
<b>VL3FC</b>					
	7160	VL3FC DN20 Kvs 6,3 PN6	21001200	VLF135	
	7161	VL3FC DN25 Kvs 10 PN6	21001300		
	7162	VL3FC DN32 Kvs 16 PN6	21001400		
	7163	VL3FC DN40 Kvs 25 PN6	21001500		
	7164	VL3FC DN50 Kvs 38 PN6	21001600		

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## LINEAR VALVES, ESBE TO ESBE

<b>VL2FS</b>	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	7167	VL2FS DN20 Kvs 1,6 PN16	21400300	VLE325	
	7168	VL2FS DN20 Kvs 2,5 PN16	21400400		
	7171	VL2FS DN25 Kvs 1,6 PN16	21400700		
	7172	VL2FS DN25 Kvs 2,5 PN16	21400800		
	7173	VL2FS DN25 Kvs 4 PN16	21400900		

### VLB125

	21202100	VLB125 DN65 Kvs 63 PN16	21220100	VLB325	
	21202200	VLB125 DN80 Kvs 100 PN16	21220200		
	21202300	VLB125 DN100 Kvs 160 PN16	21220300		
	21202400	VLB125 DN125 Kvs 250 PN16	21220400		
	21202500	VLB125 DN150 Kvs 340 PN16	21220500		

### VLB135

	21202600	VLB135 DN65 Kvs 63 PN16	21221100	VLB335	
	21202700	VLB135 DN80 Kvs 100 PN16	21221200		
	21202800	VLB135 DN100 Kvs 160 PN16	21221300		
	21202900	VLB135 DN125 Kvs 250 PN16	21221400		
	21203000	VLB135 DN150 Kvs 340 PN16	21221500		

### VLB225

	21203100	VLB225 DN65 Kvs 49 PN16	21220100	VLB325	
	21203200	VLB225 DN80 Kvs 78 PN16	21220200		
	21203300	VLB225 DN100 Kvs 124 PN16	21220300		
	21203400	VLB225 DN125 Kvs 200 PN16	21220400		
	21203500	VLB225 DN150 Kvs 300 PN16	21220500		

### VLB235

	21203600	VLB235 DN65 Kvs 49 PN16	21221100	VLB335	
	21203700	VLB235 DN80 Kvs 78 PN16	21221200		
	21203800	VLB235 DN100 Kvs 124 PN16	21221300		
	21203900	VLB235 DN125 Kvs 200 PN16	21221400		
	21204000	VLB235 DN150 Kvs 300 PN16	21221500		


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## LINEAR VALVES, DANFOSS


Danfoss Type VFS 2			ESBE series VLC125			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
065B1510	15	0,4	21300200	15	0,4	Stroke: Danfoss 15mm, ESBE 20mm	
065B1511	15	0,63	21300300	15	0,63		
065B1512	15	1,0	21300400	15	1,0		
065B1513	15	1,6	21300500	15	1,6		
065B1514	15	2,5	21300600	15	2,5		
065B1515	15	4,0	21300700	15	4,0		
065B1520	20	6,3	21300800	20	6,3		
065B1525	25	10	21300900	25	10		
065B1532	32	16	21301000	32	16		
065B1540	40	25	21301100	40	25		
065B1550	50	40	21301200	50	38		


Danfoss Type VB 2			ESBE series VLC225			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
065B2058	25	10	21301300	25	10	Stroke: Danfoss 5mm, ESBE 20mm. Danfoss 4mm longer	
065B2059	32	16	21301400	32	16		
065B2060	40	25	21301500	40	25		
065B2061	50	40	21301600	50	38		

Danfoss Type VF 2			ESBE series VLB325			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
065B3170	65	63	21220100	65	63	Stroke: Danfoss 30mm, ESBE 45mm	
065B3185	80	100	21220200	80	100		
065B3205	100	145	21220300	100	130	ESBE lower Kvs; Stroke: Danfoss 30mm, ESBE 45mm	

Danfoss Type VF 3			ESBE series VLA335/VLB335			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
065B1613	15	1,6	21200900	15	1,6	Stroke: Danfoss 15mm, ESBE 20mm	
065B1614	15	2,5	21201000	15	2,5		
065B1615	15	4,0	21201100	15	4,0		
065B1620	20	6,3	21201200	20	6,3		
065B1625	25	10	21201300	25	10		
065B1632	32	16	21201400	32	16		
065B1640	40	25	21201500	40	25		
065B1650	50	40	21201600	50	38		
065B1665	65	63	21221100	65	63		
065B1680	80	100	21221200	80	100		
065B1685	100	145	21221300	100	130	ESBE lower Kvs; Stroke: Danfoss 30mm, ESBE 45mm	

## LINEAR VALVES, HONEYWELL

Honeywell Type V5025A			ESBE series VLC225			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
V5025A1084	25	10	21301300	25	10	
V5025A1092	32	16	21301400	32	16	
V5025A1100	40	25	21301500	40	25	
V5025A1118	50	40	21301600	50	38	

Honeywell Type V5328A			ESBE series VLA325/VLB325			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
V5328A1013	15	1,6	21200100	15	1,6		
V5328A1021	15	2,5	21200200	15	2,5		
V5328A1039	15	4,0	21200300	15	4,0		
V5328A1054	20	6,3	21200400	20	6,3		
V5328A1062	25	10	21200500	25	10		
V5328A1070	32	16	21200600	32	16		
V5328A1088	40	25	21200700	40	25		
V5328A1096	50	40	21200800	50	38		
V5328A1104	65	63	21220100	65	63		
V5328A1112	80	100	21220200	80	100		
V5328A1201	100	160	21220300	100	130		Honeywell 70mm longer
V5328A1219	125	250	21220400	125	200		Honeywell 60mm longer
V5328A1227	150	360	21220500	150	300		Honeywell 30mm longer

Honeywell Type V5329A			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
V5329A1004	15	2,5	21201000	15	2,5	Honeywell: B-port +25mm
V5329A1012	15	4,0	21201100	15	4,0	
V5329A1020	20	6,3	21201200	20	6,3	Honeywell: B-port +20mm
V5329A1038	25	10	21201300	25	10	
V5329A1046	32	16	21201400	32	16	Honeywell: B-port +15mm
V5329A1053	40	25	21201500	40	25	
V5329A1061	50	40	21201600	50	38	Honeywell: B-port +10mm
V5329A1079	65	63	21221100	65	63	
V5329A1087	80	100	21221200	80	100	

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## LINEAR VALVES, REGIN / OSBY

Regin / Osby Type GTVS			ESBE series VLA325/VLB325			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
GTVS25-10	25	10	21200500	25	10	ESBE 10mm longer
GTVS32-16	32	16	21200600	32	16	
GTVS40-27	40	27	21200700	40	25	
GTVS50-39	50	39	21200800	50	38	ESBE 10mm longer
GTVS65-63	65	63	21220100	65	63	ESBE 30mm longer
GTVS80-100	80	100	21220200	80	100	
GTVS100-160	100	160	21220300	100	130	ESBE lower Kvs; ESBE 30mm longer
GTVS125-215	125	215	21220400	125	200	ESBE 30mm longer
GTVS150-310	150	310	21220500	150	300	ESBE 60mm longer



Regin / Osby Type GTRS			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
GTRS50-39	50	39	21201600	50	38	Check dimensions
GTRS65-63	65	63	21221100	65	63	
GTRS80-100	80	100	21221200	80	100	
GTRS100-160	100	160	21221300	100	130	ESBE lower Kvs; Check dimensions
GTRS125-215	125	215	21221400	125	200	Check dimensions
GTRS150-310	150	310	21221500	150	300	



## LINEAR VALVES, SATCHWELL

Satchwell Type VSF			ESBE series VLA325			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VSF 2426	15	0,63	21200100	15	1,6	ESBE higher Kvs value
VSF 2427	15	1,0	21200100	15	1,6	
VSF 2428	15	1,6	21200100	15	1,6	
VSF 2429	15	2,5	21200200	15	2,5	
VSF 2430	15	4,0	21200300	15	4,0	
VSF 1476	20	6,3	21200400	20	6,3	
VSF 1526	25	10	21200500	25	10	
VSF 1576	32	16	21200600	32	16	
VSF 1626	40	25	21200700	40	25	
VSF 1676	50	40	21200800	50	38	



Satchwell Type MJF			ESBE series VLA335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
MJF 3426	15	1,0	21200900	15	1,6	ESBE higher Kvs value
MJF 3427	15	4,0	21201100	15	4,0	
MJF 3476	20	6,3	21201200	20	6,3	
MJF 3526	25	10	21201300	25	10	
MJF 3576	32	16	21201400	32	16	
MJF 3626	40	25	21201500	40	25	
MJF 3676	50	40	21201600	50	38	



## LINEAR VALVES, SAUTER

Sauter Type V6G			ESBE series VLC125			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
V6G 15 F364	15	0,25	21300100	15	0,25	Stroke: Sauter 14mm, ESBE 20mm
V6G 15 F354	15	0,4	21300200	15	0,4	
V6G 15 F344	15	0,63	21300300	15	0,63	
V6G 15 F334	15	1,0	21300400	15	1,0	
V6G 15 F324	15	1,6	21300500	15	1,6	
V6G 15 F314	15	2,5	21300600	15	2,5	
V6G 15 F304	15	4,0	21300700	15	4,0	
V6G 20 F304	20	6,3	21300800	20	6,3	
V6G 25 F304	25	10	21300900	25	10	
V6G 32 F304	32	16	21301000	32	16	
V6G 40 F304	40	25	21301100	40	25	
V6G 50 F304	50	40	21301200	50	38	



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## LINEAR VALVES, SAUTER

Sauter Type B6F			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
B6F 15 F324	15	1,6	21200900	15	1,6	Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dim.
B6F 15 F314	15	2,5	21201100	15	4,0	
B6F 15 F304	15	4,0	21201200	20	6,3	ESBE higher Kvs value, Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dimension
B6F 20 F304	20	6,3	21201200	20	6,3	Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dim.
B6F 25 F924	25	4,0	21201300	25	10	ESBE higher Kvs value, Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dimension
B6F 25 F914	25	6,3	21201300	25	10	
B6F 25 F304	25	10	21201300	25	10	Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dim.
B6F 32 F304	32	16	21201400	32	16	
B6F 40 F304	40	25	21201500	40	25	ESBE higher Kvs value, Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dimension
B6F 50 F924	50	16	21201600	50	38	
B6F 50 F914	50	25	21201600	50	38	Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port divergent dim.
B6F 50 F304	50	40	21201600	50	38	
B6F 65 F304	65	63	21221100	65	63	ESBE lower Kvs; Sauter: B-port divergent dimension
B6F 80 F924	80	40	21221200	80	100	ESBE higher Kvs value, Sauter: B-port divergent dimension
B6F 80 F914	80	63	21221200	80	100	
B6F 80 F304	80	100	21221200	80	100	Sauter: B-port divergent dimension
B6F 100 F304	100	160	21221300	100	130	ESBE lower Kvs; Sauter: B-port divergent dimension
B6F 125 F304	125	250	21221400	125	200	ESBE lower Kvs
B6F 150 F304	150	340	21221500	150	300	



Sauter Type V6F			ESBE series VLA325/VLB325			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
V6F 15 F324	15	1,6	21200100	15	1,6	Stroke: Sauter 14mm, ESBE 20mm
V6F 15 F314	15	2,5	21200200	15	2,5	
V6F 15 F304	15	4,0	21200300	15	4,0	
V6F 20 F304	20	6,3	21200400	20	6,3	
V6F 25 F924	25	4,0	21200500	25	10	ESBE higher Kvs value; Stroke: Sauter 14mm, ESBE 20mm
V6F 25 F914	25	6,3	21200500	25	10	
V6F 25 F304	25	10	21200500	25	10	Stroke: Sauter 14mm, ESBE 20mm
V6F 32 F304	32	16	21200600	32	16	
V6F 40 F304	40	25	21200700	40	25	
V6F 50 F924	50	16	21200800	50	38	ESBE higher Kvs value; Stroke: Sauter 14mm, ESBE 20mm
V6F 50 F914	50	25	21200800	50	38	
V6F 50 F304	50	40	21200800	50	38	Stroke: Sauter 14mm, ESBE 20mm
V6F 65 F304	65	63	21220100	65	63	ESBE higher Kvs value
V6F 80 F924	80	40	21220200	80	100	
V6F 80 F914	80	63	21220200	80	100	
V6F 80 F304	80	100	21220200	80	100	
V6F 100 F304	100	160	21220300	100	130	ESBE lower Kvs
V6F 125 F304	125	250	21220400	125	200	
V6F 150 F304	150	340	21220500	150	300	



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## LINEAR VALVES, SAUTER

Sauter Type VXE			ESBE series VLA325/VLB325			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VXE 015 F320	15	1,6	21200100	15	1,6	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm
VXE 015 F310	15	2,5	21200200	15	2,5	
VXE 015 F300	15	4,0	21200300	15	4,0	
VXE 025 F310	25	6,3	21200500	25	10	ESBE PN16, higher Kvs value Stroke: Sauter 14mm, ESBE 20mm
VXE 025 F300	25	10	21200500	25	10	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm
VXE 032 F300	32	16	21200600	32	16	
VXE 040 F300	40	25	21200700	40	25	
VXE 050 F300	50	40	21200800	50	38	
VXE 065 F300	65	63	21220100	65	63	ESBE PN16
VXE 080 F300	80	100	21220200	80	100	
VXE 100 F300	100	160	21220300	100	130	ESBE PN16, lower Kvs



Sauter Type BXE			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
BXE 015 F320	15	1,6	21200900	15	1,6	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port +5mm
BXE 015 F310	15	2,5	21201000	15	2,5	
BXE 015 F300	15	4,0	21201100	15	4,0	
BXE 025 F310	25	6,3	21201300	25	10	ESBE PN16; ESBE higher Kvs value; Stroke: Sauter 14mm, ESBE 20mm
BXE 025 F300	25	10	21201300	25	10	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm
BXE 032 F300	32	16	21201400	32	16	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm; Sauter: B-port +5mm
BXE 040 F300	40	25	21201500	40	25	ESBE PN16; Stroke: Sauter 14mm, ESBE 20mm
BXE 050 F300	50	40	21201600	50	38	
BXE 065 F300	65	63	21221100	65	63	ESBE PN16
BXE 080 F300	80	100	21221200	80	100	
BXE 100 F300	100	160	21221300	100	130	ESBE PN16, lower Kvs




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## LINEAR VALVES, SIEMENS

Siemens Type VVF 52			ESBE series VLC125			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
WF52.15-0.25	15	0,25	21300100	15	0,25		
WF52.15-0.4	15	0,4	21300200	15	0,4		
WF52.15-0.63	15	0,63	21300300	15	0,63		
WF52.15-1	15	1,0	21300400	15	1,0		
WF52.15-1.6	15	1,6	21300500	15	1,6		
WF52.15-2.5	15	2,5	21300600	15	2,5		
WF52.15-4	15	4,0	21300700	15	4,0		
WF52.25-10	25	10	21300900	25	10		
WF52.40-25	40	25	21301100	40	25		

Siemens Type VVF 45			ESBE series VLA325/VLB325			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
WF45.49	50/40	19	21200800	50	38	ESBE higher Kvs value	
WF45.50	50	31	21200800	50	38		
WF45.65	65	49	21220100	65	63	ESBE higher Kvs value	
WF45.80	80	78	21220200	80	100		
WF45.90	100	124	21220300	100	130		
WF45.91	125	200	21220400	125	200		
WF45.92	150	300	21220500	150	300		

Siemens Type VVF 41			ESBE series VLA325/VLB325			Note	
Art. No.	DN	Kvs	Art. No.	DN	Kvs		
WF41.50	50	31	21200800	50	38	ESBE higher Kvs value	
WF41.65	65	49	21220100	65	63		
WF41.80	80	78	21220200	80	100		
WF41.90	100	124	21220300	100	130		
WF41.91	125	200	21220400	125	200		
WF41.92	150	300	21220500	150	300		

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## LINEAR VALVES, SIEMENS

Siemens Type VXF 41			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VXF41.14	15/10	1,9	21201000	15	2,5	Siemens: B-port divergent dimension
VXF41.15	15	3,0	21201100	15	4,0	
VXF41.24	25/20	5,0	21201300	25	10	ESBE higher Kvs value, Siemens: B-port divergent dim.
VXF41.25	25	7,5	21201300	25	10	Siemens: B-port divergent dimension
VXF41.39	40/32	12	21201500	40	25	ESBE higher Kvs value, Siemens: B-port divergent dim.
VXF41.40	40	19	21201500	40	25	
VXF41.49	50/40	19	21201500	40	25	Siemens: B-port divergent dimension
VXF41.50	50	31	21201600	50	38	
VXF41.65	65	49	21221100	65	63	ESBE higher Kvs value, Siemens: B-port divergent dim.
VXF41.80	80	78	21221200	80	100	
VXF41.90	100	124	21221300	100	130	
VXF41.91	125	200	21221400	125	200	Siemens: B-port divergent dimension
VXF41.92	150	300	21221500	150	300	



Siemens Type VXF 40			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VXF40.15-1.9	15/10	1,9	21201000	15	2,5	
VXF40.15-3	15	3,0	21201100	15	4,0	
VXF40.25-5	25/20	5,0	21201300	25	10	ESBE higher Kvs value
VXF40.25-7.5	25	7,5	21201300	25	10	
VXF40.40-12	40/32	12	21201500	40	25	ESBE higher Kvs value
VXF40.40-19	40	19	21201500	40	25	
VXF40.50-31	50	31	21201600	50	38	
VXF40.65-49	65	49	21221100	65	63	ESBE higher Kvs value
VXF40.80-78	80	78	21221200	80	100	
VXF40.100-124	100	124	21221300	100	130	
VXF40.125-200	125	200	21221400	125	200	Siemens: B-port divergent dimension
VXF40.150-300	150	300	21221500	150	300	



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## LINEAR VALVES, SIEMENS

Siemens Type VVG 41			ESBE series VLE122			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
WVG41.11	15/2,5	0,63	21250300	15	0,63	
WVG41.12	15/4	1,0	21250400	15	1,0	
WVG41.13	15/6	1,6	21250500	15	1,6	
WVG41.14	15/10	2,5	21250600	15	2,5	
WVG41.15	15	4,0	21250700	15	4,0	
WVG41.20	20	6,3	21250800	20	6,3	
WVG41.25	25	10	21250900	25	10	
WVG41.32	32	16	21251000	32	16	
WVG41.40	40	25	21251100	40	25	
WVG41.50	50	40	21251200	50	38	

Siemens Type VXG 41			ESBE series VLE132			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VXG41.1301	15/6	1,6	21251300	15	1,6	
VXG41.1401	15/10	2,5	21251400	15	2,5	
VXG41.15	15	4,0	21251500	15	4,0	
VXG41.20	20	6,3	21251600	20	6,3	
VXG41.25	25	10	21251700	25	10	
VXG41.32	32	16	21251800	32	16	
VXG41.40	40	25	21251900	40	25	
VXG41.50	50	40	21252000	50	38	

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**LINEAR VALVES, SIEMENS**

Siemens Type VVF 31			ESBE series VLA325/VLB325			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VVF31.24	25/20	5,0	21200500	25	10	ESBE higher Kvs value
VVF31.25	25	7,5	21200500	25	10	
VVF31.39	40/32	12	21200700	40	25	ESBE higher Kvs value
VVF31.40	40	19	21200700	40	25	
VVF31.50	50	31	21200800	50	38	
VVF31.65	65	49	21220100	65	63	ESBE higher Kvs value
VVF31.80	80	78	21220200	80	100	
VVF31.90	100	124	21220300	100	130	
VVF31.91	125	200	21220400	125	200	
VVF31.92	150	300	21220500	150	300	



Siemens Type VXF 31			ESBE series VLA335/VLB335			Note
Art. No.	DN	Kvs	Art. No.	DN	Kvs	
VXF31.24	25/20	5,0	21201300	25	10	ESBE higher Kvs value
VXF31.25	25	7,5	21201300	25	10	
VXF31.39	40/32	12	21201500	40	25	ESBE higher Kvs value
VXF31.40	40	19	21201500	40	25	
VXF31.50	50	31	21201600	50	38	
VXF31.65	65	49	21221100	65	63	ESBE higher Kvs value
VXF31.80	80	78	21221200	80	100	
VXF31.90	100	124	21221300	100	130	
VXF31.91	125	200	21221400	125	200	Siemens: B-port divergent dimension
VXF31.92	150	300	21221500	150	300	



**OPTION**

Adaptor kit, ESBE control valves series VLA325/VLB325 and Siemens SQX \_\_\_\_\_ Art. No. 26000700

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## LINEAR VALVES, TAC / SCHNEIDER ELECTRIC

	TAC Type STL			ESBE series VLE325			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	STL 20-1,25	20	1,25	21400300	20	1,6		
	STL 20-2,3	20	2,3	21400400	20	2,5		
	STL 25-3,7	25	3,7	21400900	25	4,0		



	TAC Type STL-SR			ESBE series VLE325			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-1426-000	25	2,5	21400800	25	2,5		
				21400700	25	1,6		
	721-1428-000	25	4,0	21400900	25	4,0		
				21400800	25	2,5		
				21400700	25	1,6		
				21400700	25	1,6		



	TAC Type V231			ESBE series VLC125			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-3106-000	15	0,25	21300100	15	0,25		
	721-3110-000	15	0,4	21300200	15	0,4		
	721-3114-000	15	0,63	21300300	15	0,63		
	721-3118-000	15	1,0	21300400	15	1,0		
	721-3122-000	15	1,6	21300500	15	1,6		
	721-3126-000	15	2,5	21300600	15	2,5		
	721-3130-000	15	4,0	21300700	15	4,0		
	721-3134-000	20	6,3	21300800	20	6,3		
	721-3138-000	25	10	21300900	25	10		
	721-3142-000	32	16	21301000	32	16		
	721-3146-000	40	25	21301100	40	25		
	721-3150-000	50	38	21301200	50	38		



	TAC Type V232			ESBE series VLC225			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-3238-000	25	10	21301300	25	10		
	721-3242-000	32	16	21301400	32	16		
	721-3246-000	40	25	21301500	40	25		
	721-3250-000	50	38	21301600	50	38		



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**LINEAR VALVES, TAC / SCHNEIDER ELECTRIC**

	TAC Type V211			ESBE series VLA325			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-1116-000	15	1,6	21200100	15	1,6		
	721-1120-000	15	2,5	21200200	15	2,5		
	721-1124-000	15	4,0	21200300	15	4,0		
	721-1128-000	20	6,3	21200400	20	6,3		
	721-1132-000	25	10	21200500	25	10		
	721-1136-000	32	16	21200600	32	16		
	721-1140-000	40	25	21200700	40	25		
	721-1144-000	50	38	21200800	50	38		

	TAC Type V311			ESBE series VLA335			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	731-1117-000	15	1,6	21200900	15	1,6		
	731-1121-000	15	2,5	21201000	15	2,5		
	731-1125-000	15	4,0	21201100	15	4,0		
	731-1129-000	20	6,3	21201200	20	6,3		
	731-1133-000	25	10	21201300	25	10		
	731-1137-000	32	16	21201400	32	16		
	731-1141-000	40	25	21201500	40	25		
	731-1145-000	50	38	21201600	50	38		

	TAC Type V211T			ESBE series VLA121			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-1716-000	15	1,6	21150100	15	1,6		
	721-1720-000	15	2,5	21150200	15	2,5		
	721-1724-000	15	4,0	21150300	15	4,0		
	721-1728-000	20	6,3	21150400	20	6,3		
	721-1732-000	25	10	21150500	25	10		
	721-1736-000	32	16	21150600	32	16		
	721-1740-000	40	25	21150700	40	25		
	721-1744-000	50	38	21150800	50	38		

	TAC Type V311T			ESBE series VLA131			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	731-1717-000	15	1,6	21150900	15	1,6		
	731-1721-000	15	2,5	21151000	15	2,5		
	731-1725-000	15	4,0	21151100	15	4,0		
	731-1729-000	20	6,3	21151200	20	6,3		
	731-1733-000	25	10	21151300	25	10		
	731-1737-000	32	16	21151400	32	16		
	731-1741-000	40	25	21151500	40	25		
	731-1745-000	50	38	21151600	50	38		

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## LINEAR VALVES, TAC / SCHNEIDER ELECTRIC



	TAC Type V241			ESBE series VLE122			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	721-4106-000	15	0,25	21250100	15	0,25		
	721-4110-000	15	0,4	21250200	15	0,4		
	721-4114-000	15	0,63	21250300	15	0,63		
	721-4118-000	15	1,0	21250400	15	1,0		
	721-4122-000	15	1,6	21250500	15	1,6		
	721-4126-000	15	2,5	21250600	15	2,5		
	721-4130-000	15	4,0	21250700	15	4,0		
	721-4134-000	20	6,3	21250800	20	6,3		
	721-4138-000	25	10	21250900	25	10		
	721-4142-000	32	16	21251000	32	16		
	721-4146-000	40	25	21251100	40	25		
	721-4150-000	50	38	21251200	50	38		

	TAC Type V341			ESBE series VLE132			Note	
	Art. No.	DN	Kvs	Art. No.	DN	Kvs		
	731-4121-000	15	1,6	21251300	15	1,6		
	731-4125-000	15	2,5	21251400	15	2,5		
	731-4129-000	15	4,0	21251500	15	4,0		
	731-4133-000	20	6,3	21251600	20	6,3		
	731-4137-000	25	10	21251700	25	10		
	731-4141-000	32	16	21251800	32	16		
	731-4145-000	40	25	21251900	40	25		
	731-4149-000	50	38	21252000	50	38		

## LINEAR ACTUATORS, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	7201	S200 24V	22201200*	ALF264	
	7202	S200 230V	22200200	ALF261	
	7203	S200P 24V	22201200*	ALF264	
	7205	S200 24V	22201100*	ALF134	
	7206	S200 230V	22200100	ALF131	
	7207	S200P 24V	22201100*	ALF134	

### S210

	7210	S210	22201200	ALF264	
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### S230

	7904	S230 230V 900 3-P 20mm	22200200	ALF261	
	7905	S230 24V 900 3-P 0-10V 20mm	22201200*	ALF264	
	7908	S230 230V 1200 3-P 20mm	22200300	ALF361	
	7909	S230 24V 1200 3-P 0-10V 20mm	22201300*	ALF364	
	7910	S230 230V 900 3-P 40mm	22200200	ALF261	
	7911	S230 24V 900 3-P 0-10V 40mm	22201200*	ALF264	
	7912	S230 230V 1200 3-P 40mm	22200300	ALF361	
	7913	S230 24V 1200 3-P 0-10 40mm	22201300*	ALF364	
	7914	S230 230V 2000 3-P 40mm	22200400	ALF461	
	7915	S230 24V 2000 3-P 0-10V 40mm	22201400*	ALF464	

\*Requires 24V constant supply voltage

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## LINEAR ACTUATORS, SCHNEIDER ELECTRIC

	Schneider Electric		ESBE series ALB100		
	Art. No.	Type	Art. No.	Type	
	880-0310-030	TAC Forta M800 prop/3-point 24V 800N 15s	22050100	ALB144	

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## LINEAR ACTUATORS, ESBE TO ESBE



	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>ALA200</b> 	22000200	ALA221 3-Point 230V 750N 140s	22200200	ALF261	
	22000800	ALA221 3-Point 230V 400N 35s	22200100	ALF131	
	22000100	ALA222 3-Point 24V 750N 140s	22201200*	ALF264	
	22000700	ALA222 3-Point 24V 400N 35s	22201100*	ALF134	
	22000300	ALA223 Prop. 24V 750N 140s	22201200*	ALF264	
	22000900	ALA223 Prop. 24V 400N 35s	22201100*	ALF134	
<b>ALB100</b>					
	22050100	ALB144 Prop./3-Point 24V 800N 15s	22201200*	ALF264	
<b>ALD100</b>					
	22150100	ALD121 3-Point 230V 900N 150s	22200200	ALF261	
	22150500	ALD121 3-Point 230V 1200N 150s	22200300	ALF361	
	22150700	ALD141 3-Point 230V 900N 300s	22200200	ALF261	
	22150900	ALD141 3-Point 230V 1200N 300s	22200300	ALF361	
	22151100	ALD141 3-Point 230V 2000N 190s	22200400	ALF461	
	22150200	ALD124 Prop./3-Point 24V 900N 150s	22201200*	ALF264	
	22150600	ALD124 Prop./3-Point 24V 1200N 150s	22201300*	ALF364	
	22150800	ALD144 Prop./3-Point 24V 900N 300s	22201200*	ALF264	
	22151000	ALD144 Prop./3-Point 24V 1200N 300s	22201300*	ALF364	
	22151200	ALD144 Prop./3-Point 24V 2000N 190s	22201400*	ALF464	

\*Requires 24V constant supply voltage








## FILLING VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VFA100</b>					
	36300100	VFA103 PN16 CPF15 DN15	36301100	VFA203	

## SAFETY VALVES, ESBE TO ESBE

	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
<b>VSA100</b>					
	36000200	VSA132 DN15 0,6 MPa	36020100	VSB132	
	36000100	VSA132 DN15 0,9 MPa	36020400		
	36000400	VSA132 DN15 1,0 MPa	36020500		

## THERMOSTATS, ESBE TO ESBE



	ESBE discontinued series		ESBE today series		
	Art. No.	Type	Art. No.	Type	
	8690110012	TT-A100 0-95°C G ½" 100mm	86901100	TIA122	
	8690120012	TT-A200 0-95°C G ½" 200mm	86901200		
	8690200212	TR/STB100 0-95°C/110°C G ½"	86902100	TIB121	
	8690200312	AT-STB 40-70°C	86900100	TSA121	
	8690300112	ATA 20-90°C	86900200	TSA122	
	8690300212	AT4 20-90°C	86900300	TSA112	

The purpose of the replacement guide is to assist you in finding the best replacement for an existing product. It is up to the user of this guide to make the final judgement of which product to choose and check that the application specific requirements are fulfilled. Note also that product installation dimensions might be different.

When product is delivered within an OEM product (boiler, heat pump etc) the product art. number might differs from ESBE standard number. Please ask your ESBE contact for further assistance.

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## VACUUM VALVES, LK

	LK 523 VacuVent		ESBE series VVA100		
	Art. No.	Type	Art. No.	Type	
	91081	G 1/2"	36100100	VVA102 PN10 G1/2" DN15	

REFTELE SWEDEN  
MUNICH GERMANY  
PARIS FRANCE POZNAŃ POLAND  
MODENA ITALY

# MADE IN SWEDEN WITH THE WORLD IN MIND

**Five sales companies and partners in over 30 countries gives ESBE a large market presence throughout Europe.** The base is still in Reftele in the county of Småland, the tiny village in southern Sweden where it all began. The Swedish plant with head office, R&D department and factory is state-of-the-art and products are distributed all over Europe.

To meet the demands on high delivery reliability – and because our product portfolio is constantly growing in size as well as brand awareness – our products are delivered to central and southern Europe via ESBE's distribution centre in Munich.

**Find country specific contacts info >> [esbe.eu](http://esbe.eu)**

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### Poland

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### Germany, Austria

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