

KEA, KFA and KLA ½" to 12"

GCV Two-Port Control Valves EN Standard KE, KF and KL DN 15 to DN 300 and ASME Standard KEA, KFA and KLA 1/2" to 12"

K Series

Description

GCV is a range of two-port single seat globe valves with cage retained seats conforming to EN and ASME standard. These valves are available in three body materials in sizes ranging from DN15 to DN300 (½" to 12"). When used in conjunction with a pneumatic or electric linear actuator they provide characterized modulating or on/off control.

Sizes and pipe connections

Body material	Connections		Type	Size range
	Screwed	NPT	KEA41	½", ¾", 1", 1¼", 1½" and 2"
	Socket weld		KEA42	½", ¾", 1", 1¼", 1½" and 2"
		EN 1092 PN25 and PN40	KE43	DN15 to DN100
Carbon steel		EN 1092 PN16, PN25 and PN40	KE43	DN125, DN150, DN200, DN250 and DN300
Gai Duli Steel	Flanged	JIS 20 and KS 20	KE43	All variants between DN15 to DN100
	riangeu	JIS 10, JIS 20, KS 10 and KS 20	KE43	DN125, DN150, DN200, DN250 and DN300
		ASME 300	KEA43	½", ¾", 1", 1½", 2", 2½", 3" and 4"
		ASME 150 and ASME 300	KEA43	6" to 12"
'	Screwed	BSP	KE61	DN15, DN20, DN25, DN32, DN40 and DN50
	Screwed	NPT	KEA61	½", ¾", 1", 1¼", 1½" and 2"
	Socket weld		KEA62	½", ¾", 1", 1¼", 1½" and 2"
		EN 1092 PN40	KE63	All variants between DN15 to DN100
Stainless steel		EN 1092 PN16, PN25 and PN40	KE63	DN125, DN150 and DN200
		JIS 20 and KS 20	KE63	All variants between DN15 to DN100
	Flanged	JIS 10, JIS 20, KS 10 and KS 20	KE63	DN125, DN150 and DN200
		ASME 300	KEA63	½", ¾", 1", 1½", 2", 2½", 3" and 4"
		ASME 150 and ASME 300	KEA63	6" and 8"
	Screwed	BSP	KE71	DN15, DN20, DN25, DN32, DN40 and DN50
		EN 1092 PN16 and PN25	KE73	All variants between DN15 to DN200
SG iron	Florage	JIS 10 and KS 10	KE73	All variants between DN15 to DN200
	Flanged	ASME 125 and ASME 250	KEA73	1", 1½", 2", 2½", 3", 4", 6" and 8"
		JIS10 and KS10		½", ¾", 1", 1¼", 1½", 2", 2½", 3" and 4"
		`		*

GCV valve characteristic - options:

-	
KE and KEA	Equal percentage (E) - Suitable for most modulating process control applications providing good control at all flowrates.
KF and KFA	Fast opening (F) - For on/off applications only.
KL and KLA	Linear (L) - Primarily for liquid flow control where the differential pressures across the valve is constant.

Important note: Throughout this document, reference has been made to the standard KE or KEA control valve. With the exception of trim type, the KE, KEA, KF, KFA, KL and KLA control valves are identical.

GCV valve options:

	PTFE chevron seals	Standard						
	Graphite packing	High temperature applications						
Stem sealing	Bellows/PTFE (B)	Zero emissions and thermal fluids						
otom county	Bellows/graphite (C)	Zero emissions, high temperature applications and therma fluids						
	Bellows/graphite secondary seals (D)	Zero emissions and high temperature applications						
	Metal-to-metal	431 stainless steel - standard						
	wetai-to-metai	316L stainless steel - DN15 to DN100 only						
Seating	Soft coating	Up to 200 °C (392 °F) - PTFE for Class VI shut-off						
	Soft seating	Up to 250 °C (482 °F) - PEEK for Class VI shut-off						
	Hard facing	316L stainless steel with Stellite 6 facing - for mo arduous applications						
Donnat tuna	Standard bonnet							
Bonnet type	Extended bonnet for large pipe lagging or hot/cold applications							
Tuim	Standard trim							
Trim	Low noise and anti-cavitation trim (see the	corresponding Data Sheet)						

GCV valves are compatible with the following actuators and positioners:

Electric	EL3500, EL7200, AEL3, AEL5 and AEL6 series
Pneumatic	PN1000, PN2000, PN9000 and TN2000 series
	PP5 (pneumatic) or EP500S (electropneumatic)
Positioners	EP500A (intrinsically safe + explosion proof electropneumatic)
	SP400 and SP500 (microprocessor based electropneumatic)

Note: Reference the product specific Technical Information sheet for further details.

Standards

Designed in accordance with EN 60534. This product fully complies with the requirements of the European Pressure Equipment Directive 2014/68/EC and carries the

mark when so required.

Certification

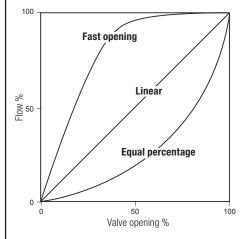
This product is available with certification to EN 10204 3.1.

Note: All certification/inspection requirements must be stated at the time of order placement.

Technical data

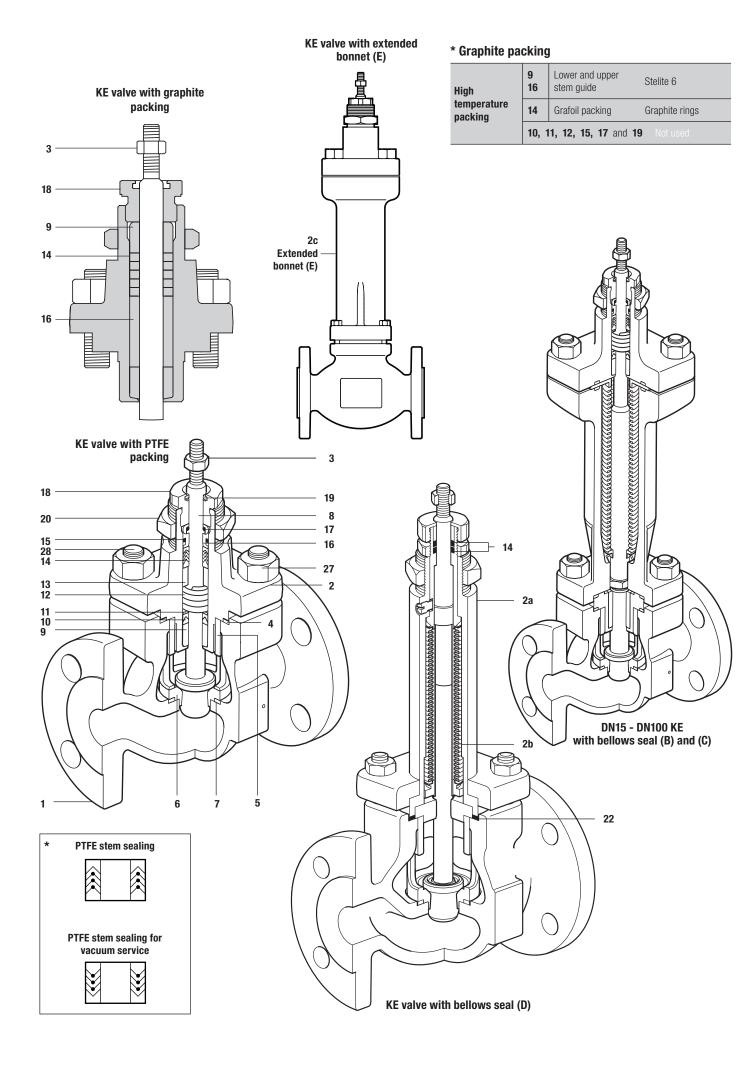
Plug design			Parabolic			
	Metal-to-metal	Balanced	Class IV			
Leakage	ivietai-to-metai	Unbalanced	Class IV (Class V is optional)			
	Soft seal	Balanced	Class IV			
	Suit Seai	Unbalanced	Class VI			
	Equal		50:1			
Rangeability	Linear		30:1			
	Fast		10:1			
	DN15 - DN50	(½"-2")	20 mm (¾")			
Travel	DN65 - DN100	(2½"- 4")	30 mm (1 ³ / ₁₆ ")			
	DN125 - DN300	(5"- 12")	70 mm (2¾")			
-						

Typical flow characteristic curves



Materials - DN15 to DN100 (1/2" to 4")

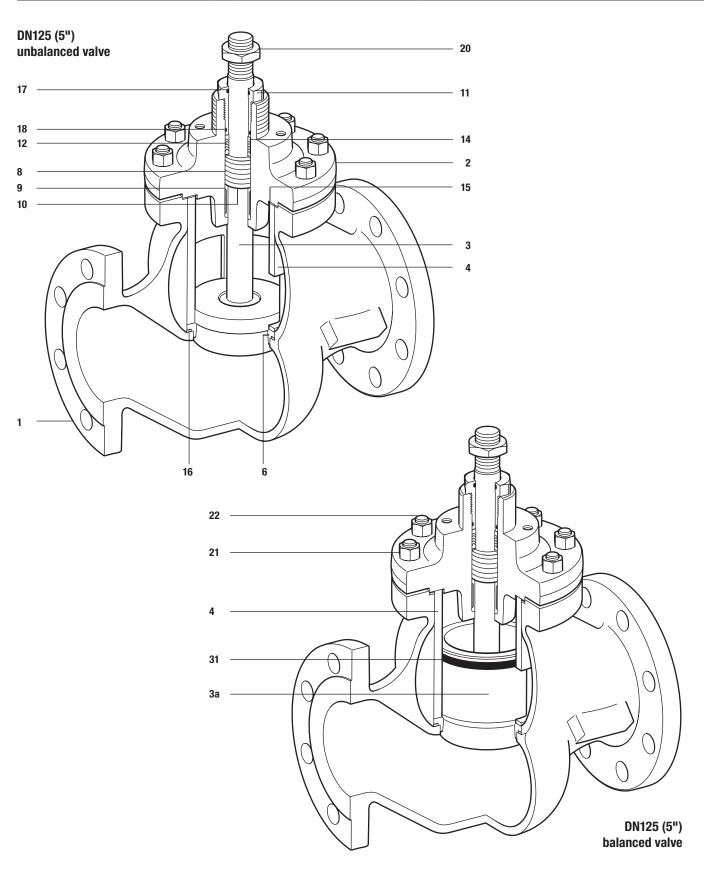
Body material	Туре	No.	Part		Material	
	,	1	Body		Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
		2	Ronnot	DN15 to DN50	Forged steel	EN 10222-2 P305GH 1.0436
	KE43	2	Bonnet	DN65 to DN100	Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
		2a	Bonnet extension	DN15 to DN100	Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
lawbaw akaal		2c	Extended bonnet		Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
Carbon steel		1	Body		Cast steel	ASTM A216 WCB
	KEA41		Dannat	½" to 2"	Forged steel	ASTM A105N
	KEA42	2	Bonnet	2½" to 4"	Cast steel	ASTM A216 WCB
	KEA43	2a	Bonnet extension		Cast steel	ASTM A216 WCB
		2c	Extended bonnet		Cast steel	ASTM A216 WCB
		1	Body		Stainless steel	DIN GX5 CrNiMO 18-10 1.4581
	KE61	2	Bonnet		Stainless steel	DIN GX5 CrNiMO 17-12-2 1.4401
	KE63	2a	Bonnet extension			
stainless	11200		Extended bonnet		Stainless steel	DIN GX5 CrNiMO 19-11-2 1.4408
teel		1	Body		Stainless steel	ASTM A351 CF8M
	KEA61	2	Bonnet			
	KEA62	2a	Bonnet extension			
	KEA63	2c	Extended bonnet		Stainless steel	ASTM A351 CF8M
		1	Body			
	KE71	2	Bonnet		— SG iron	EN-GJS-400-18U-LT
	KE71	2a	Bonnet extension		Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
	⊢		Extended bonnet		Carbon steel	1.0619N
G iron		2c	Body		OUI DOIT GEGET	1.001014
KEA71		2	Bonnet		— SG iron	ASTM A395
	KEA71	2a	Bonnet extension			
	KLA/ 3	2c	Extended bonnet		— Cast steel	ASTM A216 WCB
		+	Bellows		Ctainlana ataal	AISI 316L
		2b 3			Stainless steel	AISI 431
		_	Stem lock-nut		Stainless steel Reinforced exfoliat	
		4	Bonnet gasket			0 1
		5	Seat retainer		Stainless steel	ASTM A351 CF8M
				Seating version T	Stainless steel	AISI 431 S29
		6	Valve seat ring	Seating versions P and K	PEEK	
				All others	Stainless steel	AISI 316L
		7	Seat gasket		Reinforced exfoliat	
				Body	Stainless steel	AISI 316L
		8	Valve plug and stem	Seating version W		Stellite 6
				All others	Stainless steel	AISI 431
		9 *	Lower stem guide		Glass filled PTFE	
		10	Lower stem wiper		PTFE	
		11 *	Packing guard washer		Stainless steel	AISI 316L
		12 *	Spring		Stainless steel	AISI 316L
		13	Packing spacer		Stainless steel	AISI 316L
II versions		14 *	Chevron packing set		PTFE	
		15 *	Outer 'O' ring		Viton	
		16 *	Upper stem guide		Glass filled PTFE	
			Inner 'O' ring		Viton	
		17 *	Tillier O Tilly			AISI 316L
				KE63	Stainless steel	AISI 3 IOL
		17 *	Gland nut	KE63 All others	Stainless steel Stainless steel	AISI 431 S29
		18	Gland nut Scraper ring		Stainless steel	
		18	Gland nut	All others	Stainless steel PTFE	AISI 431 S29
		18	Gland nut Scraper ring	All others KEA6_	Stainless steel PTFE Stainless steel	AISI 431 S29
		18 19 20 21	Gland nut Scraper ring Actuator clamp nut Bellows assembly	All others KEA6_	Stainless steel PTFE Stainless steel Plated carbon stee Stainless steel	AISI 431 S29
		18 19 20 21 22	Gland nut Scraper ring Actuator clamp nut Bellows assembly Bonnet extension gasket	All others KEA6_ Others	Stainless steel PTFE Stainless steel Plated carbon stee Stainless steel Reinforced exfoliat	AISI 431 S29 el AISI 316L ted graphite
		18 19 20 21 22 23	Gland nut Scraper ring Actuator clamp nut Bellows assembly Bonnet extension gasket Top plate (used on bonnet	All others KEA6_ Others extension only)	Stainless steel PTFE Stainless steel Plated carbon stee Stainless steel Reinforced exfoliat Stainless steel	AISI 431 S29 BI AISI 316L ted graphite AISI 316L
		18 19 20 21 22 23 24	Gland nut Scraper ring Actuator clamp nut Bellows assembly Bonnet extension gasket Top plate (used on bonnet Lower spindle bearing hou	All others KEA6_ Others extension only)	Stainless steel PTFE Stainless steel Plated carbon steel Stainless steel Reinforced exfoliat Stainless steel Stainless steel	AISI 431 S29 el AISI 316L ted graphite AISI 316L AISI 316L
		18 19 20 21 22 23	Gland nut Scraper ring Actuator clamp nut Bellows assembly Bonnet extension gasket Top plate (used on bonnet	All others KEA6_ Others extension only)	Stainless steel PTFE Stainless steel Plated carbon steel Stainless steel Reinforced exfoliat Stainless steel Stainless steel	AISI 431 S29 BI AISI 316L ted graphite AISI 316L



Materials - DN125 to DN300 (6" to 12")

Materials - DN		<u> </u>					
Body material	Туре	No.	Part			Material	
	KE43	1	Body			Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
Carbon steel -		2	Bonnet	1		Cast steel	BS EN 10213 GP 240GH+N (1.0619N)
	KEA43	1	Body			Cast steel	ASTM A216 WCB
		2	Bonnet			Cast steel	ASTM A216 WCB
	KE63		Body			— Stainless steel	EN 10213 (1.4408)
Stainless steel		2	Bonnet				2.1.102.10 (00)
KEA63		1	Body			— Stainless steel	ASTM A351 CF8M
		2	Bonnet				
	KE73	1	Body			— SG iron	EN-GJS-400-18U-LT
SG iron		2	Bonnet				
54	KEA73	1	Body			— SG iron	ASTM A395
		2	Bonnet				
			Dlug and stam	All others		Stainless steel	AISI 431
		3	Plug and stem assembly	KE63		Stainless steel	AISI 316L
			Seating version		on W	Stellite 6	
		4	Cage			Stainless steel	BS 31462 Grade ANC 2
				Seating version	on T	Stainless steel	AISI 431 S29
		6	Valve seat ring	Seating version	ons P and K	PEEK	
				All others	All others		Stellite 6
		9	Bearing			Stellite	
		10	Spacer (not use	d in DN125 valve	S)	Stainless steel	BS EN 1127
		11	Gland nut			Stainless steel	AISI 416
		14	Washer			Stainless steel	AISI 316L
		15	Bonnet gasket			Stainless steel/gra	aphite
		16	Seat gasket			Stainless steel/gra	aphite
		20	Stem nut			Stainless steel	AISI 316
All versions					KE43	Carbon steel	BS EN ISO 898-1 Grade 8.8
					KE63	Stainless steel	A2-80
			Standard bonne	t nut	KE73	Carbon steel	BS EN ISO 898-1 Grade 8.8
		21	Standard bonne	tilut	KEA43	Carbon steel	ASTM A194 2H
					KEA63	Stainless steel	ASTM A194 8M
					KEA73	Carbon steel	ASTM A194 2H
			High temperatur	re bonnet nut		Stainless steel	DIN ISO 3506 A2
					KE43	Carbon steel	BS EN ISO 898-1 Grade 8.8
					KE63	Stainless steel	A2
			Standard stud		KE73	Carbon steel	BS EN ISO 898-1 Grade 8.8
					KEA43	Carbon steel	ASTM A193 B7
			KEA63			Stainless steel	ASTM A193 B8M2
					KEA73	Carbon steel	ASTM A193 B7
			High temperature KE43			Stainless steel	DIN ISO 3506 A2-80
			bonnet nut	bonnet nut KE73			511100 0000 /IE 00
		8	Spring			Stainless steel	
PTFE gland ver	rsions	12	Chevron packing	g set		PTFE	
. II - giana vei	010113	17	Stem '0' ring			Viton	
		18	Bonnet 'O' ring			Viton	

High temperature gland versions	26	Gland packing	Graphite
	3a	Plug and stem assembly	Stainless steel
Balanced versions	29	Cage	Stainless steel
	31	Balanced seal	Graphite



Materials - Nuts and studs DN15 to DN100 (1/2" to 4")

Standard bonnets ruts	Body material	No.	Part		Material	
NE6_ Stainless steel DIN ISO 3506 A2-70			Standard bonnets nuts		Steel	BS 3692 Gr.8
Standard bonnet studs					Stainless steel	DIN ISO 3506 A2-70
Standard bonnet studs		27	KE6_ Stainless steel DIN ISO 3 High temperature bonnets nuts KE4_ and 7_ Stainless steel ISO3506 A KEA4_		IS03506 A2	
Standard bonnet studs KEF _ Steel			Standard bonnet studs	KEA6 _	Steel	ASTM A194 Gr.2H
High temperature bonnet studs KE4_ and 7_ Stainless steel IS03506 A2 KEA4_ Steel ASTM A193 Gr.B7 KEA6_ Steel ASTM A193 Gr. B8 M2 KEA7_ Steel ASTM A193 Gr. B7	ll versions		Standard bonnet studs		Steel	BS 3692 Gr.8
KEA4_ Steel ASTM A193 Gr. B7 KEA6_ Steel ASTM A193 Gr. B8 M2 KEA7_ Steel ASTM A193 Gr. B7				KE6 _	Stainless steel	DIN ISO 3506 A2-70
Standard bonnet studs KEA6 _ Steel ASTM A193 Gr. B8 M2 KEA7 _ Steel ASTM A193 Gr. B7		28	High temperature bonnet studs	KE4_ and 7_	Stainless steel	IS03506 A2
KEA7_ Steel ASTM A193 Gr. B7				KEA4_	Steel	ASTM A193 Gr.B7
28 27			Standard bonnet studs			
				KEA7 _	Steel	ASTM A193 Gr. B7
		28				

Ky values

Valve size			DN15 (½")	DN20 (¾")	DN25 (1")	DN32 (11/4")	DN40 (1½")	DN50 (2")	DN65 (2½")	DN80 (3")	DN100 (4")	DN125 (5")	DN150 (6")	DN200 (8")	DN250 (10")	DN300 (12")
	High capacity	Equal %	4.9	7.2	11.0	17.5	31.0	46.0	90	115						
		Equal %	4.0	6.3	10.0	16.0	25.0	36.0	63	100	160	245	370	580	700	1 000
	Full port	Linear	4.0	6.3	10.0	16.0	25.0	36.0	63	100	160	260	390	640	780	1100
	Full port	Fast opening	4.0	6.3	10.0	18.0	28.0	50.0	85	117	180	260	390	640	780	1100
	Reduced trim 1	Equal %	2.5	4.0	6.3	10.0	16.0	25.0	36	63	100	200	287	370	580	700
	Reduced trilli i	Linear	2.5	4.0	6.3	10.0	16.0	25.0	36	63	100	200	287	550	640	780
Standard	Reduced trim 2	Equal %	1.6	2.5	4.0	6.3	10.0	16.0	25	36	63	100	132	232	370	580
trim	neuuceu tiiii 2	Linear	1.6	2.5	4.0	6.3	10.0	16.0	25	36	63	100	132	232	550	640
	Reduced trim 3	Equal %	1.0	1.6	2.5	4.0	6.3	10.0	16	25	36	63	103	163	232	370
	neuuceu tiiii 3	Linear	1.0	1.6	2.5	4.0	6.3	10.0	16	25	36	63	103	163	232	550
	Reduced trim 4	Equal %		1.0	1.6		4.0	6.3		16					163	232
	neuuceu tiiii 4	Linear		1.0	1.6		4.0	6.3		16					163	232
	Reduced trim 5	Equal %			1.0			4.0								163
	neduced triii 3	Linear			1.0			4.0								163
			0.5	0.5	0.5											
			0.2	0.2	0.2											
Microflute			0.1	0.1	0.1											
			0.07	0.07	0.07											
			0.01	0.01	0.01											

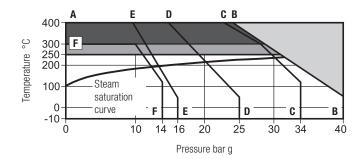
 $\textbf{Note:} \ \mathsf{For} \ \mathsf{low} \ \mathsf{noise} \ \mathsf{and} \ \mathsf{anti-cavitation} \ \mathsf{K}_V \ \mathsf{please} \ \mathsf{see} \ \mathsf{the} \ \mathsf{corresponding} \ \mathsf{Data} \ \mathsf{Sheet}.$

 C_V (US) values C_V (US) = C_V (UK) x 1.2009

Valve size			DN15 (½")	DN20 (¾")	DN25 (1")	DN32 (11/4")	DN40 (1½")	DN50 (2")	DN65 (2½")	DN80 (3")	DN100 (4")	DN150 (6")	DN200 (8")	DN250 (10")	DN300 (12")
	High capacit	y Equal %	5.7	8.3	12.7	20.2	36.0	53.0	104.0	133.0					
		Equal %	4.6	7.3	12.0	18.0	29.0	42.0	73.0	116.0	185.0	433	679	809	1156
	Full port	Linear	4.6	7.3	12.0	18.0	29.0	42.0	73.0	116.0	185.0	456	749	902	1272
	. a.i. port	Fast opening	4.6	7.3	12.0	21.0	32.0	58.0	98.0	135.0	208.0	456	749	902	1272
	Reduced trim 1	Equal %	2.9	4.6	7.3	12.0	18.0	29.0	42.0	73.0	116.0	336	433	670	809
	Reduced (fill) 1	Linear	2.9	4.6	7.3	12.0	18.0	29.0	42.0	73.0	116.0	336	636	740	902
Standard	Dadwood trim 2	Equal %	1.8	2.9	4.6	7.3	12.0	18.0	29.0	42.0	73.0	154	271	428	670
trim	Reduced trim 2	Linear	1.8	2.9	4.6	7.3	12.0	18.0	29.0	42.0	73.0	154	271	636	740
	Dadward trim 0	Equal %	1.2	1.8	2.9	4.6	7.3	12.0	18.0	29.0	42.0	120	191	268	428
	Reduced trim 3	Linear	1.2	1.8	2.9	4.6	7.3	12.0	18.0	29.0	42.0	120	191	268	636
	Dadward Arino 4	Equal %		1.2	1.8		4.6	7.3		18.0				188	268
	Reduced trim 4	Linear		1.2	1.8		4.6	7.3		18.0				188	268
	Reduced trim 5	Equal %			1.2			4.6							188
	Reduced triii 5	Linear			1.2			4.6							188
			0.58	0.58	0.6										
			0.23	0.23	0.23										
Microflute			0.12	0.12	0.12										
			0.081	0.081	0.081										
			0.012	0.012	0.012										

Note: For low noise and anti-cavitation C_V please see the corresponding Data Sheet.

Pressure/temperature limits - KE43 (Carbon steel)



The product **must not** be used in this region.

High temperature packing is required for use in this region.

High temperature bolting and packing is required for use in this region

A - B Flanged EN 1092 PN40.

A - C Flanged JIS/KS 20K.

A - D Flanged EN 1092 PN25.

A - E Flanged EN 1092 PN16.

A - F Flanged JIS/KS 10K.

Notes:

- 1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.
- 2. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown in table below.

Body design conditions		PN40
Maximum design pressure		40 bar g @ 50 °C
	PTFE soft seat (G)	7 bar
Maximum differential pressure design	PEEK soft seat (K)	7 bar
	Full PEEK seat (P)	19 bar
Maximum design temperature		400 °C
Minimum design temperature		-10 °C
	PTFE soft seat (G)	200 °C
	Standard packing PTFE chevron	
Maximum appreting tomporoture	PEEK seat (K and P)	250 °C
Maximum operating temperature	Extended bonnet (E) with PTFE chevron	
	High temperature packing (H)	400 °C
	Extended bonnet (E) with graphite packing	400 -0

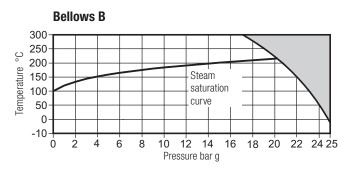
Note: We recommend that an extended bonnet (E) with graphite packing is used where valve operation is above 300 °C.

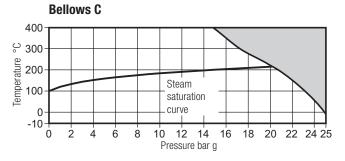
Pressure/temperature limits - KE43 (Carbon steel)

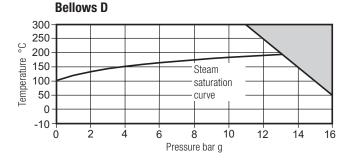
Maximum operating temperature - Bellows only

Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product **must not** be used in this region.







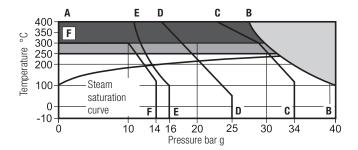
Minimum operating temperature

Note: For lower operating temperatures consult GESTRA.

-10 °C

Maximum differental pressures	See relevant actuator Technical Inform	mation sheet
	Bellows B	20 har a
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	Bellows C	38 bar g
	Bellows D	24 bar g

Pressure/temperature limits - KE61 and KE63 (Stainless steel)



The product **must not** be used in this region.

High temperature packing is required for use in this region.

High temperature bolting and packing is required for use in this region

A - B Flanged EN 1092 PN40 and Screwed BSP.

A - C Flanged JIS/KS 20K.

A - D Flanged EN 1092 PN25.

A - E Flanged EN 1092 PN16.

A - F Flanged JIS/KS 10K.

Notes:

- 1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.
- 2. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown in table below.

Body design conditions		PN40
Maximum design pressure		40 bar g @ 50 °C
	PTFE soft seat (G)	7 bar
Maximum differential pressure design	PEEK soft seat (K)	7 bar
	Full PEEK seat (P)	19 bar
Maximum design temperature		400 °C
Minimum design temperature		-10 °C
	PTFE soft seat (G)	200 °C
	Standard packing PTFE chevron	
Movimum analysting temporature	PEEK seat (K and P)	250 °C
Maximum operating temperature	Extended bonnet (E) with PTFE chevron	
	High temperature packing (H)	
	Extended bonnet (E) with graphite packing	400 C

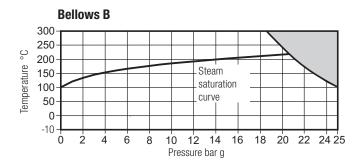
Note: We recommend that an extended bonnet (E) with graphite packing is used where valve operation is above 300 °C.

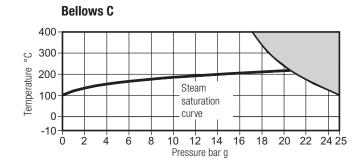
Pressure / temperature limits - KE61 and KE63 (Stainless steel)

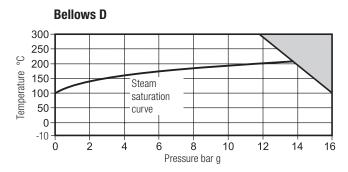
Maximum operating temperature - Bellows only

Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product \boldsymbol{must} \boldsymbol{not} be used in this region.

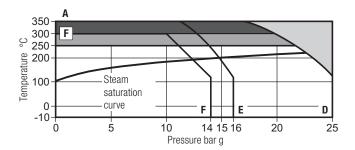






Minimum operating temperature	PTFE packing	10.00
Note: For lower operating temperatures consult GESTRA.	Graphite packing	-10 °C
Maximum differental pressures	See relevant actuator Technical Infor	mation sheet
	Bellows B	001
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	Bellows C	38 bar g
,	Bellows D	24 bar g

Pressure/temperature limits - KE71 and KE73 (SG iron)



The product **must not** be used in this region.

High temperature packing is required for use in this region.

High temperature bolting and packing is required for use in this region

A - D Flanged EN 1092 PN40 and Screwed BSP.

A - E Flanged EN 1092 PN16.

A - F Flanged JIS/KS 10.

Notes:

- 1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.
- 1. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown in table below.

Body design conditions		PN25
Maximum design pressure		25 bar g @ 120 °C
	PTFE soft seat (G)	7 bar
Maximum differential pressure design	PEEK soft seat (K)	7 bar
	Full PEEK seat (P)	19 bar
Maximum design temperature		350 °C
Minimum design temperature		-10 °C
	PTFE soft seat (G)	200 °C
	Standard packing PTFE chevron	
Mariana and a straight and a second and	PEEK seat (K and P)	250 °C
Maximum operating temperature	Extended bonnet (E) with PTFE chevron	
	High temperature packing (H)	250.00
	Extended bonnet (E) with graphite packing	350 °C

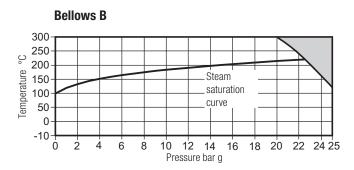
 $\textbf{Note:} \ \text{We recommend that an extended bonnet (E) with graphite packing is used where valve operation is above 300 °C. \\$

Pressure/temperature limits - KE71 and KE73 (SG iron)

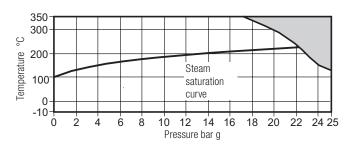
Maximum operating temperature - Bellows only

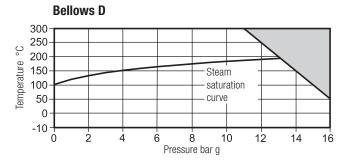
Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product $\boldsymbol{must}\;\boldsymbol{not}$ be used in this region.



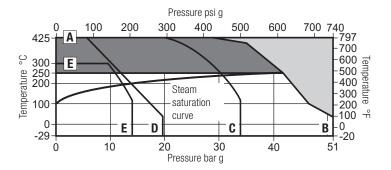
Bellows C





Minimum operating temperature Note: For lower operating temperatures consult GESTRA.		-10 °C
Maximum differental pressures	See relevant actuator Technical Inform	mation sheet
	Bellows B	00 h
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	Bellows C	38 bar g
, , , , , , , , , , , , , , , , , , , ,	Bellows D	24 bar g

Pressure/temperature limits - KEA41, KEA42 and KEA43 (Carbon steel)



The product **must not** be used in this region.

Graphite stem sealing is required for use in this region

A - B Flanged ASME 300 and screwed NPT and SW.

A - C Flanged JIS/KS 20.

A - D Flanged ASME 150.

E - E Flanged JIS/KS 10.

Notes:

- 1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.
- 2. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown above.
- 3. As standard the KEA, KFA, KLA series two-port control valves are supplied with the PTFE stem sealing option.

Body design conditions			ASME 150 and ASME 300
	ASME 150 (6" to 12" only)	19.6 bar g @ 38 °C	(284 psi g @ 100 °F)
Maximum design pressure	ASME 300	51.1 bar g @ 38 °C	(740 psi g @ 100 °F)
	PTFE soft seat (G)	7 bar	
Maximum differential pressure design	PEEK soft seat (K)	7 bar	
	Full PEEK seat (P)	19 bar	
Maximum design temperature		425 °C	(800 °F)
Minimum design temperature		-29 °C	(-20 °F)
	PTFE soft seat (G)	200 °C	(392 °F)
	Standard packing PTFE chevron		
BA anima na anakina kamananakina	PEEK seat (K and P)	250 °C	(482 °F)
Maximum operating temperature	Extended bonnet (E) with PTFE chevron		
	Graphite packing (H)	425.00	(000.95)
	Extended bonnet (E) with graphite packing	425 °C	(800 °F)

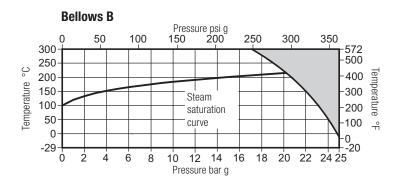
Note: We recommend that an extended bonnet (E) with graphite packing is used where valve operation is above 300 °C (572 °F).

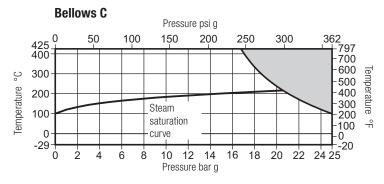
Pressure/temperature limits - KEA41, KEA42 and KEA43 (Carbon steel)

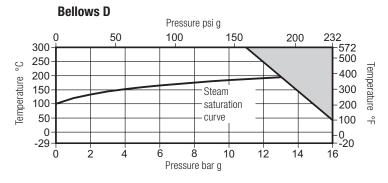
Maximum operating temperature - Bellows only

Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product **must not** be used in this region.

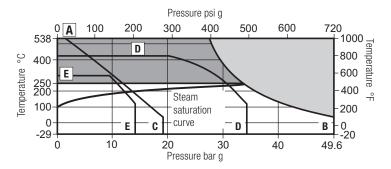






Minimum operating temperature Note: For lower operating temperatures consult GESTRA.		-29 °C	(-20 °F)
Maximum differental pressures	See relevant actuator 1	Technical Infor	mation sheet
	Bellows B	20 har a	
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	Bellows C	38 bar g	551 psi g
<u> </u>	Bellows D	24 bar g	348 psi g

Pressure/temperature limits - KEA61, KEA62 and KEA63 (Stainless steel)



The product **must not** be used in this region.

Graphite stem sealing is required for use in this region

A - B Flanged ASME 300 and screwed NPT and SW.

A - C Flanged JIS/KS 20.

D - D Flanged ASME 150.

- E Flanged JIS/KS 10.

Notes:

1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.

2. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown above.

3. As standard the KEA, KFA, KLA series two-port control valves are supplied with the PTFE stem sealing option.

Body design conditions		A	SME 150 and ASME 300	
	ASME 150 (6" to 8" only)	19.6 bar g @ 38 °C	(275 psi g @ 100 °F)	
Maximum design pressure	ASME 300	49.6 bar g @ 38 °C	(720 psi g @ 100 °F)	
	PTFE soft seat (G)	7 bar		
Maximum differential pressure design	PEEK soft seat (K)	7 bar		
	Full PEEK seat (P)	19 bar		
Maximum design temperature	538 °C	(1 000 °F)		
Minimum design temperature		-29 °C	(-20 °F)	
	PTFE soft seat (G)	200 °C	(392 °F)	
	Standard packing PTFE chevron			
Manines and a state of the stat	PEEK seat (K)	250 °C	(482 °F)	
maximum operating temperature	Extended bonnet (E) with PTFE chevron			
aximum operating temperature	Graphite packing (H)	F00.00	(4,000,95)	
	Extended bonnet (E) with graphite packing	538 °C	(1 000 °F)	

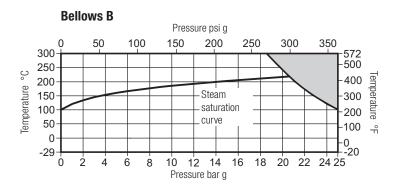
Note: We recommend that an extended bonnet (E) with graphite packing is used where valve operation is above 300 °C (572 °F).

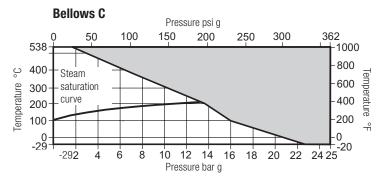
Pressure/temperature limits - KEA61, KEA62 and KEA63 (Stainless steel)

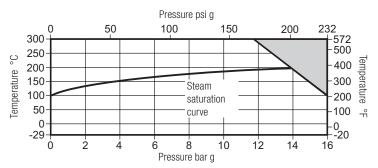
Maximum operating temperature - Bellows only

Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product **must not** be used in this region.

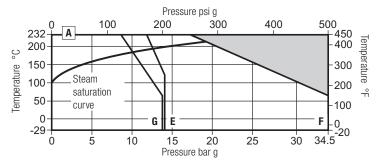






Minimum operating temperature	PTFE	packing	-29 °C	(-20 °F)		
Note: For lower operating temperatures consult GESTRA.	Graphite	packing	-50 °C	(-58 °F)		
Maximum differental pressures See relevant actuator Technical Inf						
	Bellows B					
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	E	Bellows C	38 bar g	551 psi g		
The range is the valve to fitted with a bollowe it made be controved it hydraulie todaing to to be done.	E	Bellows D	24 bar g	348 psi g		

Pressure/temperature limits - KEA71 and KEA73 (SG iron)



The product **must not** be used in this region.

- A E Flanged JIS/KS 10.
- A F Flanged ASME 250 and screwed NPT and SW.
- A G Flanged ASME 125.

Notes:

- 1. Where the process fluid temperature is sub-zero and the ambient temperature is below +5 °C, the external moving parts of the valve and actuator must be heat traced to maintain normal operation.
- 2. When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown above.
- 3. As standard the KEA, KFA, KLA series two-port control valves are supplied with the PTFE stem sealing option.

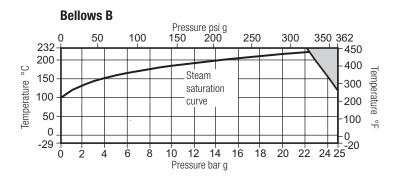
Body design conditions		A	SME 125 and ASME 250
	ASME 125	13.8 bar g @ 65 °C	(200 psi g @ 150 °F)
Maximum design pressure	ASME 250	34.5 bar g @ 65 °C	(500 psi g @ 150 °F)
	PTFE soft seat (G)	7 bar	
Maximum differential pressure design	PEEK soft seat (K)	7 bar	
	Full PEEK seat (P)	19 bar	
Maximum design temperature	232 °C	(450 °F)	
Minimum design temperature		-29 °C	(-20 °F)
	PTFE soft seat (G)	200 °C	(392 °F)
	Standard packing PTFE chevron		
Manimum an austinu taman austinu	PEEK seat (K and P)		
Maximum operating temperature	Graphite packing (H)	232 °C	(450 °F)
	Extended bonnet (E) with PTFE chevron		
	Extended bonnet (E) with graphite packing		

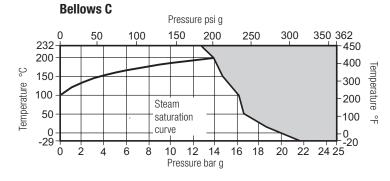
Pressure/temperature limits - KEA71 and KEA73 (SG iron)

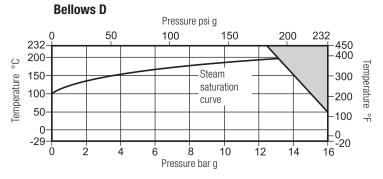
Maximum operating temperature - Bellows only

Note: When selecting a valve with a bellows sealed bonnet, the pressure/temperature limits of the bellows must be read in conjunction with the valve pressure/temperature limits shown later in this document.

The product **must not** be used in this region.

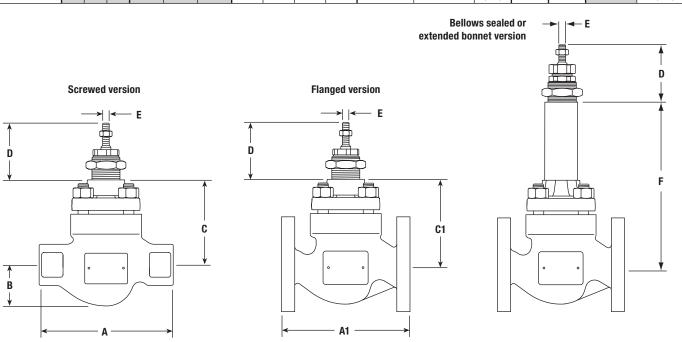






Minimum operating temperature Note: For lower operating temperatures consult GESTRA.		-29 °C	(-20 °F)
Maximum differental pressures	See relevant ac	tuator Technical Info	rmation sheet
	Bellows		
Maximum cold hydraulic test pressure of: Warning: If the valve is fitted with a bellows it must be removed if hydraulic testing is to be done.	Bellows	oo bar g	551 psi g
<u> </u>	Bellows	D 24 bar g	348 psi g

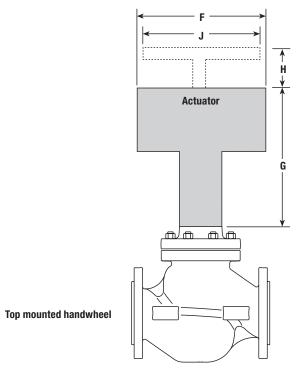
Valve size				Screwed	i						Flanged							
vaive size		BSP		I	NPT			KE valves				KEA valves						
	A	В	C	A	В	С		A1		C1	/	A1	C1	D	_ E		F	
							PN16 PN25 PN40	JIS 10	/KS 20		KS 10 ASME 125 and 150	KS 20 ASME 250 and 300		Thread	Bellows seals	Extended bonnet		
DN15 (½")	130	40	103	165 (6½")	44 (1¾")	102 (4")	130	130	130	103		190 (7½")	102 (4")					
DN20 (¾")	155	45	103	165 (6½")	44 (1¾")	102 (4")	150	150	150	103		190 (7½")	102 (4")	69 (2¾")		237 (9")	336 (13.25")	
DN25 (1")	160	50	103	197 (7¾")	57 (2¼")	102 (4")	160	160	160	103	184 (7¼")	197 (7¾")	102 (4")			M8		
DN32 (1¼")	185	60	132	216 (8½")	57 (2¼")	127 (5")	180	180	180	132			127 (5"))		
DN40 (1½")	205	65	132	235 (9¼")	63 (2½")	127 (5")	200	200	200	132	222 (8¾)	235 (9¼")	127 (5")				354 (13.94)	
DN50 (2")	230	80	127	267 (10½")	76 (3")	127 (5")	230	230	230	127	254 (10")	267 (10½")	127 (5")					
DN65 (2½")							290	290	290	201	267 (10½)	292 (11½")	200 (7 7 /8")			368 (14½")	416	
DN80 (3")							310	310	310	201	298 (11¾)	317 (12½")	200 (7 7 /8")	81 (3")	M12	368 (14½")	(16.38")	
DN100 (4")							350	350	350	216	349 (13¾)	368 (14½")	216 (8½")			381 (15")	431 (17")	
DN125 (5")							400	403	425	257							538 (21 ¹ / ₅ ")	
DN150 (6")							480	451	473	275	451 (17¾")	473 (18 ⁵ / ₈ ")	279 (11")	125			556 (21 ⁷ / ₈ ")	
DN200 (8")							600	543	568	341	543 (21 ³ / ₈ ")	568 (22 3 /8")	343 (13½")	(47/8")	M30		621 (24½")	
DN250 (10")							730	673	708	344	673	708	344 (13½")				622 (24½")	
DN300 (12")							850	737	775	355	737	775	355 (14")				634 (25")	

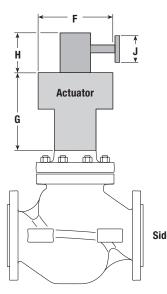


 $\label{prop:control} \textbf{Weights} \ \ \text{for the } \textbf{GCV two-port control valve} \ \ \text{approximate in kg (and lbs)}$

			KE valve:	S			KEA	alves		Additional bellows and Extended bonnet	Additional balanced		
Valve size	KE43	KE61	KE63	KE71	KE73	KEA43	KEA63	KEA73	KEA41 KEA42 KEA61 KEA62 KEA71				
DN15 (½")	6	4.5	5.5	4.5	5.5	7.3 (16)	7.3 (16)	7.3 (16)	7.3 (16)				
DN20 (¾")	6.8	5.5	6.8	5.5	6.8	8.2 (18)	8.2 (18)	8.2 (18)	7.3 (16)	4.5 (10)			
DN25 (1")	7	6	7	6	7	9.1 (20)	9.1 (20)	9.1 (20)	10 (22)				
DN32 (1¼")	13.5	11.5	13.5	11.5	13.5	14.1 (31)	14.1 (31)	13.2 (29)	11.3 (25)				
DN40 (1½")	14	12	14	12	14	16.3 (36)	16.3 (36)	14.1 (31)	14.1 (31)	5.5 (12)			
DN50 (2")	17	13	17	13	17	17.2 (38)	18.1 (40)	17.2 (38)	15 (33)				
DN65 (2½")	35		35		35	35.4 (78)	35.4 (78)	38.1 (84)		10			
DN80 (3")	40		40		40	39 (86)	40.4 (89)	41.3 (91)		(21)			
DN100 (4")	54		54		54	56.2 (124)	56.2 (124)	59.9 (132)		13 (28)			
DN125 (5")	81		81		81					16 (35)	2 (4.4)		
DN150 (6")	121		121		121	130 (286)	130 (286)	130 (286)		16 (35)	3 (7)		
DN200 (8")	210		210		210	210 (462)	210 (462)	210 (462)		16 (35)	10 (22)		
DN250 (10")	228					242 (533)				16 (35)	10 (22)		
DN300 (12")	451					465 (1025)				16 (35)	16 (35)		

	1	_		_				_		W	eight eight	### with handwheel kg	
Actuator range and variants		F		G		Н		J	Act	uator	With han	dwheel	
	mm	inches	mm	inches	mm	inches	mm	inches	kg	lbs	kg	lbs	
PN1500 and PN2500	405	16"	1 114	46"					55	121.00			
PN1600 and PN2600	465	185/16"	1 116	46"					70	154.00			
PN9100E	170	6 A"	075	1()7/8"	55	23/16"	005	87/8"		10.05	+5.86	+13.00	
PN9100R	1/0	b A	275	107/8	140	5 ½ "	225	878	6	13.25	+2.50	+5.50	
PN9200E	000	447/ 11	000	447/11	55	23/16"	005	07/11	47	07.50	+7.20	+15.75	
PN9200R	300	117/8"	300	117/8"	140	5 ½ "	225	87/8"	17	37.50	+3.77	+8.50	
PN9320E	000	454/11	005	107/ 11	65	2%16"	050	108/11	27	50.50	+7.20	+15.75	
PN9320R	390	15 ½ "	325	12 7 /8"	150	157/8"	350	13 ¾ "		59.50	+3.77	+8.50	
PN9330E	000	454/11	005	100(65	2%16"	050	102/11	0.7	50.50	+7.20	+15.75	
PN9330R	390	15 ½ "	335	133/8"	150	15 7 /8"	350	13¾"	27	59.50	+3.77	+8.50	
PN9400E	700	0.08/11	405	101.611					60 132.	100.00			
PN9400R	732	28 ¾ "	465	18 1/3 "						132.00			
TN2000E	004	444411	004	1057 11	444	540 / II	050	102/11	-10	40.50	+5.00	+11.25	
TN2000R	284	111/4"	334	135/32"	144	5 43 /64"	350	13¾"	18	40.50	+6.00	+13.50	
TN2000DA	284	111/4"	334	135/32"					16	36.00			
TN2100E	405	4011	000	4.44711	400	1552/ "	000	1011	0.7	00.05	00.00	F4 75	
TN2100R	405	16"	369	141/2"	402	1553/64"	330	13"	37	83.25	+23.00	+51./5	
TN2100DA	405	16"	369	141/2"					30	67.50			
TN2277E	532	21"	863	34"	330	13"	330	13"	116	255.00	+21.00	+46.00	
TN2277NDA	532	21"	863	34"					98	216.00			





Side mounted handwheel

Dimensions/weights for the EL and AEL actuator ranges approximate in mm and kgs (and in inches and lbs)

A -11		F		G	Weight		
Actuator range	mm	inches	mm	inches	kg	lbs	
EL3500	135 x 161	5¼" x 6¼"	242	9½"	1.3	3.0	
EL3500 SE and SR	135 x 161	5¼" x 6¼"	284	11"	2.4	6.0	
EL7200 series	100	4"	471	18½"	3.0	6.5	
AEL55 and AEL65	180	7"	557	22"	10.0	22.0	
AEL51, AEL52, AEL53, AEL62 and AEL63	177	7"	459	18"	5.0	11.0	
AEL54 and AEL64	177	7"	490	19"	7.0	15.5	
AEL56 and AEL66	226	9"	760	30"	20.0	44.0	

GCV two-port control valve DN15 to DN100 - ½" to 4"

The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

Note: When placing an order for spare parts please specify clearly the full product description as found on the label of the valve body, as this will ensure that the correct spare parts are supplied.

Available spares - K series

Actuator clamping nut		Α
Gasket set	(Non-bellows sealed)	B, G
	PTFE packing	C
Stem seal kits	Graphite packing	C1
	Graphite seal set	C2
	* Equal percentage trim (No gaskets supplied)	D, E
Plug stem and seat kit	Fast opening trim (No gaskets supplied)	D1, E
	Linear trim (No gaskets supplied)	D2, E
PTFE soft seat seal		Н

Specify if reduced trim.

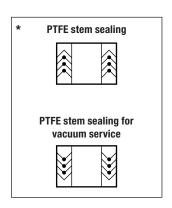
How to order spares

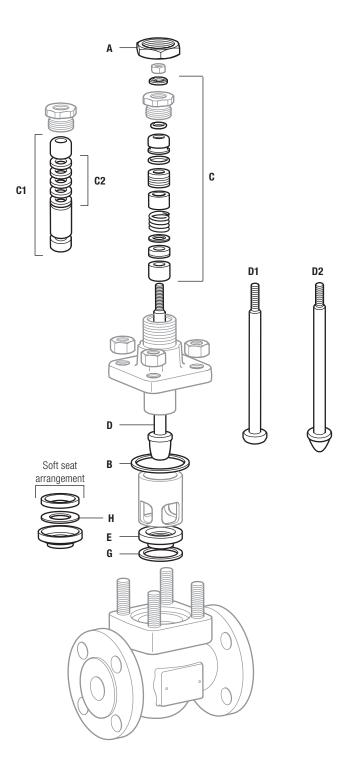
* Always order spares by using the description given in the column headed 'Available spares', and state the size and type of valve including the full product description of the product.

 $\textbf{Example:}\ 1$ - PTFE stem seal kit for a GESTRA DN25 $\$ GCV two-port KE43 PTSUSS.2 $\$ KyS $\$ 10 control valve.

How to fit spares

 $\label{thm:continuous} Full \ fitting \ instructions \ are \ given \ in \ the \ Installation \ and \ Maintenance \ Instructions \ supplied \ with \ the \ spare.$





GCV two-port control valve Balanced and unbalanced DN125 to DN300 - 6" to 12"

The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

Note: When placing an order for spare parts please specify clearly the full product description as found on the label of the valve body, as this will ensure that the correct spare parts are supplied.

Available spares - K series

Gasket set	Balanced	A, B, G
Non bellows sealed	Unbalanced	B, G
	PTFE chevrons	C3
Stem seal kit	Graphite packing conversion kit (DN15 to DN100)	C4
	Graphite seal set	C5
Diversities and cost list	Balanced (No gaskets supplied)	A, D, E
Plug stem and seat kit	Unbalanced (No gaskets supplied)	D, E

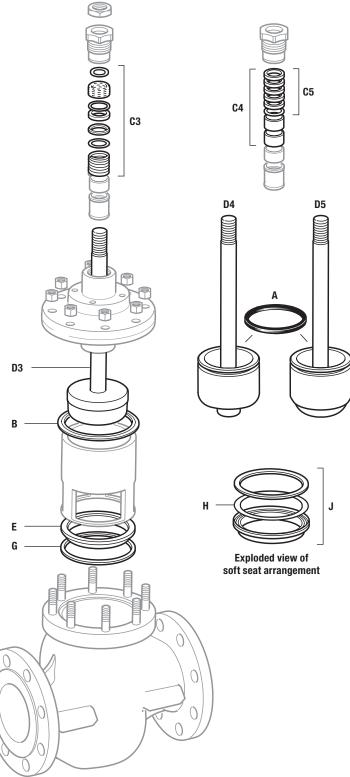
How to order spares

Always order spares by using the description given in the column headed 'Available spares', and state the size and type of valve including the full product description of the product.

 $\textbf{Example:}\ 1$ - PTFE stem seal kit for a GESTRA DN150 GCV two-port KE43 PTSBSS.2 Kvs 370 control valve.

How to fit spares

Full fitting instructions are given in the Installation and Maintenance Instructions supplied with the spare.



GCV two-port control valve with bellows seal - Type D DN15 to DN100 - $\frac{1}{2}$ " to 4"

The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

Note: When placing an order for spare parts please specify clearly the full product description as found on the label of the valve body, as this will ensure that the correct spare parts are supplied.

Available spares - K series

Actuator clamping nut		A
Gasket set	(Bellows sealed)	B, G
Stem seal kit	Graphite secondary seal and gasket set	C3
	*Equal percentage trim (No gaskets supplied)	D6, E
Plug stem and seat kit	Fast opening trim (No gaskets supplied)	D7, E
	Linear trim (No gaskets supplied)	D8, E
Bellows seal assembly		F
* PTFE soft seat seal		Н

Specify if reduced trim.

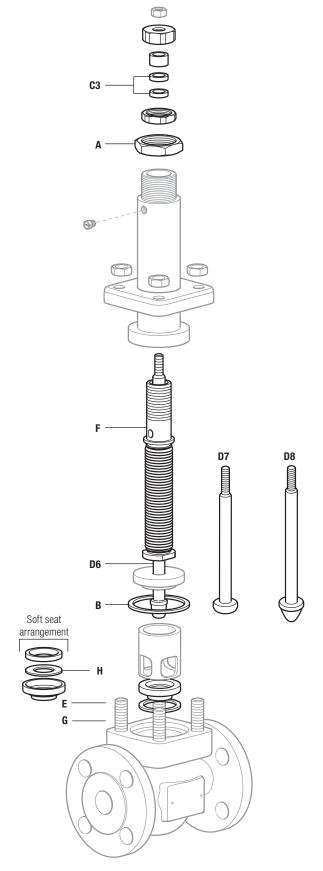
How to order spares

Always order spares by using the description given in the column headed 'Available spares', and state the size and type of valve including the full product description of the product.

 $\textbf{Example:} \ 1 \ - \ \text{Graphite stem seal kit for a GESTRA DN25 GCV two-port KE43B TSUSS.2 Kvs10 control valve.}$

How to fit spares

Full fitting instructions are given in the Installation and Maintenance Instructions supplied with the spare.



GCV two-port control valve with bellows seal - Types B and C DN15 to DN100 - 12° to 12°

The spare parts available are shown in solid outline. Parts drawn in grey line are not supplied as spares.

Note: When placing an order for spare parts please specify clearly the full product description as found on the label of the valve body, as this will ensure that the correct spare parts are supplied.

Available spares - K series

Actuator clamping nut		Α
Gasket set	(Bellows sealed)	B, G
	PTFE packing	С
Stem seal kits	Graphite packing	C1
	Graphite seal set	C2
	* Equal percentage trim (No gaskets supplied)	D9, E
Plug stem and seat kit	Fast opening trim (No gaskets supplied)	D10, E
	Linear trim (No gaskets supplied)	D11, E
Bellow seal assembly		F
PTFE soft seat seal		Н

Specify if reduced trim.

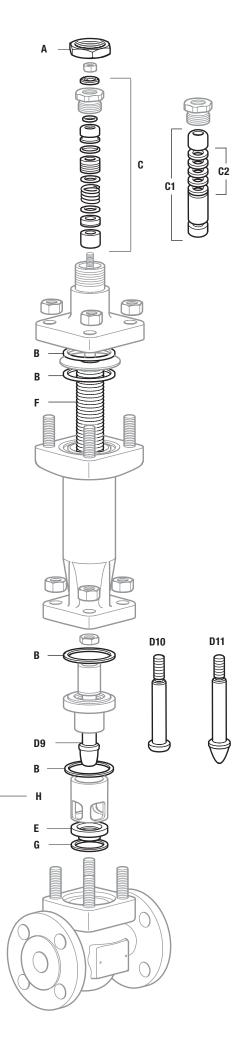
How to order spares

* Always order spares by using the description given in the column headed 'Available spares', and state the size and type of valve including the full product description of the product.

 $\textbf{Example:} \ 1 - \mathsf{PTFE} \ \mathsf{stem} \ \mathsf{seal} \ \mathsf{kit} \ \mathsf{for} \ \mathsf{a} \ \mathsf{GESTRA} \ \mathsf{DN25} \ \mathsf{GCV} \ \mathsf{two-port} \ \mathsf{KE43B} \ \mathsf{TSUSS.2} \ \mathsf{K}_{\mathsf{VS}} \mathsf{10} \ \mathsf{control} \ \mathsf{valve}.$

How to fit spares

Full fitting instructions are given in the Installation and Maintenance Instructions supplied with the spare.



Soft seat arrangement

GCV selection guide:

Valve size —					DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250 and 300 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10" and 12"													
Valve series	MOIVIE STA			ries 2-port			4,3,0	, o , io a	IIU IZ							K		
Vario 301103				l percenta		2110												
/alve characteri	istic		= Fast		90											E		
	10110		= Linea													DN25 K E Blank Blank 4 3 P T		
			= ASM															
Flange type		Blank	= EN (F	PN)												Blank		
Flow		Blank	= unde	r												Rlank		
IOW		T	= over													Dialik		
		4	= Carb	on steel														
Body material		6	= Stain	iless steel												4		
			= SG ir															
			= Scre															
Connections				Socket weld												3		
			= Flanç															
				ws/PTFE :	-													
				ws/graphi														
Stem sealing				ws/graphi	te second	ary seals										_		
				Graphite PTFE with Nitronic bush - DN15 to DN50 only											Р			
					onic bush	- DN15 to	DN50 onl	У										
			= PTFE															
				for vacuu		!												
				soft seat														
				PEEK soft seat														
Seating				Full PEEK 316L stainless steel										Т				
				stainless s														
				with stell		g												
				ige anti-ca														
				ige anti-ca														
ype of trim				ige low no												S		
				2 stage low noise cage														
				3 stage low noise cage Standard trim														
			= Stan															
rim balancing			= Dalai													U		
															—			
Bonnet type				= Extended = Standard												S		
				temperati	Iro													
Bolting			= Stan		110											S		
			= Stan															
inish			= ENP															
Series		2	= .2													.2		
(_{VS}			To be	e specified												K _{VS} 16		
Connection type)		To be	e specified												Flanged		
															[PN40		
Selection examp	ole:												7		, ,			
DN32 -	к	Е	4	3	Р	т	S	U	S	s		.2	_	K _{VS} 16	_	Flange PN40		

How to order

Example: 1 off GESTRA GCV DN32 KE43PTSUSS.2 K_{VS} 16 two-port control valve having flanged PN40 connections.

GESTRA AG

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PN40