

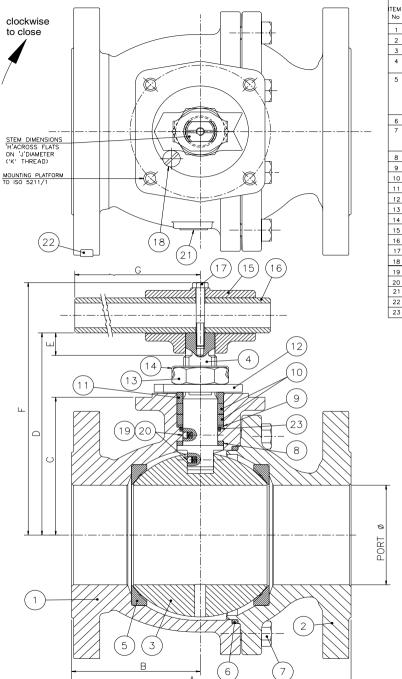
819/829 15-40mm

VALVE	FLANGE TYPE	FACE TO FACE STANDARD	PORT	lΑ	В	С	D	E	F	G	STI H A/F	EM K THREAD	ISO MOUNTING	WEIGHT Kg
	CL150	ANSI B16.10		108.0							,,,,		ISO F03	
Ε	CLISU	ANSI BIO.IU	14.0	108.0		23 27	17.8	10.7			5.54 5.46		4 x M5x8.0	1.8
1 E			13.7		52.5	23.27 23.01	16.6	10.2	100.3	155.0	5.46	3/8*-24 UNF	DEEP ON 36.0 PCD	-110
ū	CL300	ANSI B16.10		140.0								""	24.98 DIA.	
<u> </u>			1		1								MAX. SPIGOT	2.2
SPIGUI														
	FLANGE	FACE TO FACE	PORT	Α	В	С	D	Ε	F		ST		ISO	WEIGHT
SIZE	TYPE	STANDARD	ø	A	Ь	C	U	L	Г	G	H A/F	K THREAD	MOUNTING	Kg
Ξ	CL150	ANSI B16.10		117.0									ISO F04 4 x M5x9.0	
Ē			20.3		57.0	32.34 32.08		14.7	113.4	168.0	7.54 7.47	7/16*-20	DEEP ON	2.5
$\stackrel{\square}{\vdash}$	01.700	ANC. 046.40	20.0	152.0	1	32.08	22.7	14.2			, , , ,	UNF	42.0 PCD 29.98 DIA	
$\overset{\sim}{\circ}$	CL300	ANSI B16.10	-	132.0	-								MAX.	3.6
7													SPIGOT	5.0
		ELOE TO ELOE	DODT								СТ	T14	ico	LUCIOLIT
VALVE SIZE	FLANGE	FACE TO FACE	PORT	Α	В	С	D	Е	F	G	STI H A/F		ISO MOUNTING	WEIGHT Ka
SIZE	TYPE	STANDARD			В	С	D	Ε	F	G		EM K THREAD	MOUNTING ISO F04	WEIGHT Kg
SIZE			ø	A 127.0		C 37.11	D 23.9	E 14.7	'	_	H A/F	K THREAD	MOUNTING ISO F04 4 x M5x9.0	Kg
SIZE	TYPE	STANDARD			B 63.0				F 118.1	G 168.0	H A/F	7/16*-20	MOUNTING ISO F04	WEIGHT Kg 3.2
SIZE	TYPE	STANDARD	ø 25.6			37.11	23.9	14.7	'	_	H A/F	K THREAD	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA.	3.2
SIZE	CL150	STANDARD ANSI B16.10	ø 25.6	127.0		37.11	23.9	14.7	'	_	H A/F	7/16*-20	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX.	Kg
SIZE L L L	CL150	STANDARD ANSI B16.10	ø 25.6	127.0		37.11	23.9	14.7	'	_	H A/F	7/16*-20	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA.	3.2
SIZE WWSZ VALVE	CL300 FLANGE	ANSI B16.10 ANSI B16.10 FACE TO FACE	25.6 25.3	127.0	63.0	37.11 36.85	23.9 22.7	14.7	118.1	168.0	7.54 7.47	7/16*-20 UNF	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT	3.2 4.7
SIZE WALVE SIZE	CL300	ANSI B16.10 ANSI B16.10	Ø 25.6 25.3	127.0		37.11	23.9	14.7	'	_	7.54 7.47	7/16*-20 UNF	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT ISO MOUNTING	3.2 4.7
SIZE U U VALVE SIZE	CL300 FLANGE	ANSI B16.10 ANSI B16.10 FACE TO FACE	25.6 25.3 PORT	127.0	63.0	37.11 36.85	23.9 22.7	14.7 14.2	118.1	168.0	7.54 7.47 STI H A/F	7/16*-20 UNF	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT ISO MOUNTING ISO F05	3.2 4.7 WEIGHT Kg
SIZE SIZE VALVE SIZE W	CL300 FLANGE TYPE	ANSI B16.10 ANSI B16.10 FACE TO FACE STANDARD	Ø 25.6 25.3 PORT Ø 38.4	127.0 165.0	63.0	37.11 36.85	23.9 22.7	14.7 14.2	118.1	168.0	7.54 7.47 STI H A/F	K THREAD 7/16*-20 UNF EM K THREAD	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT ISO MOUNTING ISO F05 4 x M6x10.0 DEEP ON	3.2 4.7 WEIGHT
SIZE SIZE WWW.	CL300 CL300 FLANGE TYPE CL150	ANSI B16.10 ANSI B16.10 ANSI B16.10 FACE TO FACE STANDARD ANSI B16.10	25.6 25.3 PORT	127.0 165.0 A 165.0	63.0 B	37.11 36.85	23.9 22.7	14.7 14.2	118.1 F	168.0	7.54 7.47	K THREAD 7/16*-20 UNF EM K THREAD	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT ISO MOUNTING ISO F05 4 x M6x10.0 DEEP ON 50.0 PCD	3.2 4.7 WEIGHT
SIZE SIZE WALVE SIZE WALVE	CL300 FLANGE TYPE	ANSI B16.10 ANSI B16.10 FACE TO FACE STANDARD	Ø 25.6 25.3 PORT Ø 38.4	127.0 165.0	63.0 B	37.11 36.85	23.9 22.7	14.7 14.2	118.1 F	168.0	7.54 7.47 STI H A/F	K THREAD 7/16*-20 UNF EM K THREAD	MOUNTING ISO F04 4 x M5x9.0 DEEP ON 42.0 PCD 29.98 DIA. MAX. SPIGOT ISO MOUNTING ISO F05 4 x M6x10.0 DEEP ON	3.2 4.7 WEIGHT Kg

TEM No	DESCRIPTION	MATERIAL	QTY
1	BODY	STAINLESS STEEL ASTM A351 CF8M UNS J92900	1
2	INSERT	STAINLESS STEEL BS970 316S11/S13 UNS S31603	1
3	BALL	STAINLESS STEEL ASTM A351 CF8M	1
4	STEM	STAINLESS STEEL UNS S31603 OR ASTM A564 630 COND.A UNS S17400	1
5*	R H	PTFE VIRGIN PTFE 15% GLASS FILLED PTFE 25% GLASS FILLED FLUOROFILL REINFORCED	2
6 *	BODY SEAL	PTFE VIRGIN	1
7 *	THRUST SEAL PROTECTOR	PEEK	1
8*	THRUST SEAL	PTFE 25% GLASS FILLED	1
9*	GLAND PACKING	FLEXIBLE GRAPHITE	1
10	GLAND	STAINLESS STEEL 316	1
11*	DISC SPRINGS	STAINLESS STEEL BS2056 302S26	2
12*	GLAND NUT	ST. STEEL BS6105/ISO3056 A2-70. ZINC PLATED	1
13*	LOCKING CLIP	CARBON SPRING STEEL BS1449 Pt.1 CS70	1
14	WRENCH	STAINLESS STEEL BS1449 304S11/S15	1
15	WRENCH SLEEVE	VINYL PLASTISOL	1
16*	INTERNAL TOOTH WASHER	STAINLESS STEEL	1
17	WRENCH NUT	ST. STEEL BS6105/IS03056 A2-70. ZINC PLATED	1
18	STOP PIN	STAINLESS STEEL UNS S31603	1
19	ANTI-STATIC PLUNGER	STAINLESS STEEL	1
20	ANTI-STATIC SPRING	STAINLESS STEEL BS5570 302S25	1
21	IDENT PLATE	STAINLESS STEEL BS1449 304S11/S15	1
22	BODY PLATE	STAINLESS STEEL BS1449 304S11/S15	1

- NOTES.
 1. OMIT ITEMS 14,15,16,17 & 18 WHEN VALVE ACTUATED.
- 2. ITEMS MARKED * SUPPLIED IN REPAIR KIT.
- 3. DRAWING SHOWS 40MM VALVE WITH CL150 FLANGES/ANSI B16.10 LENGTH
- 4. SIZES 15 25mm VALVES HAVE HEXAGONAL INSERT DRIVES.





ITEM No	DESCRIPTION	MATERIAL							
1	BODY	STAINLESS STEEL ASTM A351 CF8M							
2	CONNECTOR	STAINLESS STEEL ASTM A351 CF8M							
3	BALL	STAINLESS STEEL ASTM A351 CF8M							
4	STEM	STAINLESS STEEL BS970 316S31/S33 OR ASTM A479 316 OR ASTM A276 316 COND.A							
5	н	PTFE VIRGIN PTFE 15% GLASS FILLED PTFE 25% GLASS FILLED FLUOROFILL REINFORCED							
6	BODY SEAL *	FLEXIBLE GRAPHITE(PTFE COATED)							
7	BODY BOLTS (SEE NOTE 5)	STAINLESS STEEL BS4882 BÓLTS: MB8MX NUTS: M8MX ASTM A193M Class 2 BOLTS: B8M NUTS: A194MB8M							
8	THRUST SEAL *	PTFE 25% GLASS FILLED							
9	STEM LOCATION WASHER	STAINLESS STEEL BS1449 Pt.2 316S31/S33							
10	GLAND PACKING *	FLEXIBLE GRAPHITE							
11	GLAND	STAINLESS STEEL 316							
12	INDICATOR STOP/SPACER	STAINLESS STEEL BS1449 Pt.2 316S31/S33							
13	STEM NUT	STAINLESS STEEL BS6105/A4-70(ZINC PLATED)							
14	LOCKING CLIP *	CARBON SPRING STEEL BS1449 Pt.1 CS70 ZINC PLATED							
15	WRENCH HEAD	CARBON STEEL(RUST PROOFED)							
16	WRENCH HANDLE	CARBON STEEL(RUST PROOFED)							
17	WRENCH BOLT	STAINLESS STEEL							
18	STOP PIN	STAINLESS STEEL							
19	ANTI-STATIC PLUNGER	STAINLESS STEEL							
20	ANTI-STATIC SPRING	NICKEL ALLOY WIRE BS3075 NA14							
21	IDENT PLATE	STAINLESS STEEL							
22	BODY PLATE	STAINLESS STEEL							
23	SECONDARY STEM SEAL *	PTFE VIRGIN (RUBBER O-RING OPTIONAL)							

- 1. 150mm CL300 & PN40; AND 200mm VALVES ARE GEARBOX OPERATED.OMIT ITEMS 15,16,17 & 18. 2. OMIT ITEMS 15,16,17 & 18 WHEN VALVE ACTUATED. 3. WRENCH HANDLE MAY BE FITTED IN MID POSITION.

 MERCH HANDLE MAT BE FITTED IN MID POSITION.
 HIEMS MARKED & SUPPLIED IN REPAIR KIT.
 BODY BOLTING:
 SOmm & 200mm ALL VARIATIONS } STUDS & NUTS.
 TOMM (L150 ANSI B16 10) 100mm CL150 ANSI B16.10

ALL OTHERS :- HEX.HEADED BOLTS.

	FLANGE	FACE TO FACE	PORT	Α	В	С	D	F	F	G	STI		I	ISO
SIZE	TYPE CL150	STANDARD ANSI B16.10	ø	177.8	73.7				-		H A/F	Jø	K THREAD	MOUNTING ISO F07
0mm	PN16	ANSI B16.10	51.2 51.0	177.8	73.7	87.3	129.9	16.0 MIN	156.2	225.0	14.0 13.9	19.97 19.73	M20×1.5p	4×M8 ON 70.0 PCD
	CL150	BS2080 **		203.0	73.7									54.97 DIA.
2	CL300	ANSI B16.10		216.0	73.7									MAX. SPIGOT
5-1001														
VALVE SIZE	FLANGE TYPE	FACE TO FACE STANDARD	PORT ø	Α	В	С	D	Е	F	G	STI H A/F		K THREAD	ISO MOUNTING
_	CL150	ANSI B16.10		203.0	93.5	112.0	161.8	17.6 16.8	200.7	350.0	15.1 15.0	21.2 21.0		ISO F07 4×M8 ON
	PN16	ANSI B16.10		203.0	93.5								M24×2.0p	70.0 PCD 54.97 DIA.
n	CL150	BS2080 **		241.0	93.5									MAX. SPIGOT
80mm	CL300	ANSI B16.10	76.7 76.2	283.0	93.5	119.5	173.9	21.8 21.0	213.8	557.0	19.3 19.2	27.2 27.0	M30×2.0p	ISO F10 4xM10 ON 102.0 PCD 69.97 DIA. MAX. SPIGOT
VALVE	FLANGE	FACE TO FACE	PORT					_	_		STI	EM		ISO
SIZE	TYPE	STANDARD	ø	A	В	С	D	E	F	G	H A/F		K THREAD	MOUNTING ISO F10
	CL150	ANSI B16.10	102.5	228.6	117.0	140.3	194.8	21.8 21.0	234.8	557.0	19.3 19.2	27.2 27.0	M30×2.0p	4xM10 ON 102.0 PCD
Ē	PN16	ANSI B16.10		228.6	117.0									69.97 DIA. MAX.
μ.	CL150	BS2080 **		305.0	117.0									SPIGOT
100mm	CL300	ANSI B16.10		305.0	132.0	146.8	218.4	29.0 28.2	275.4	850.0	26.6 26.5	33.2 33.0	M36×2.0p	ISO F12 4xM12 ON 125.0 PCD 84.97 DIA. MAX. SPIGOT
VALVE SIZE	FLANGE TYPE	FACE TO FACE STANDARD	PORT	Α	В	С	D	E	F	G	H A/F		K THREAD	ISO MOUNTING
Z	CL150	ANSI B16.10	151.2 150.8	394.0	178.7	182.0	253.4	29.0 28.2	310.4	850.0	26.6 26.5	33.2 33.0	M36×2.0p	ISO F12 4xM12 ON
mm(PN16	ANSI B16.10		394.0										125.0 PCD 84.97 DIA. MAX. SPIGOT
150	CL300	ANSI B16.10		403.0	178.7	194.2	270.0	30.0 29.2	327.0	850.0	30.4 30.3	37.9 37.7	M42×3.0p	ISO F14 4xM16 ON 140.0 PCD 99.97 DIA. MAX. SPIGOT
	FLANGE	5105 TO 5105	PORT								STI	-14		ISO
VALVE SIZE	TYPE	FACE TO FACE STANDARD	Ø	Α	В	С	D	E	F	G	H A/F		K THREAD	MOUNTING
200mm	CL150	ANSI B16.10	203.5 203.0	457.0	205.7	237.0	313.0	30.0 29.2	-	-	30.4 30.3	37.9 37.7	M42×3.0p	ISO F14 4×M16 ON 140.0 PCD 99.97 DIA. MAX. SPIGOT
	CL300	BS2080		502.0	231.2	255.8	342.6	36.4 35.6	_	-	34.5 34.4	42.6 42.2	M48×3.0p	ISO F16 4xM20 ON 165.0 PCD 129.96 DIA, MAX. SPIGOT

- ** CL150 FLANGED VALVES WITH BS2080 LENGTH ARE A NON-PREFERED OPTION
- *** DN150 CL150 FLANGES EQUIVALENT TO PN16.

819/829 50-200mm

