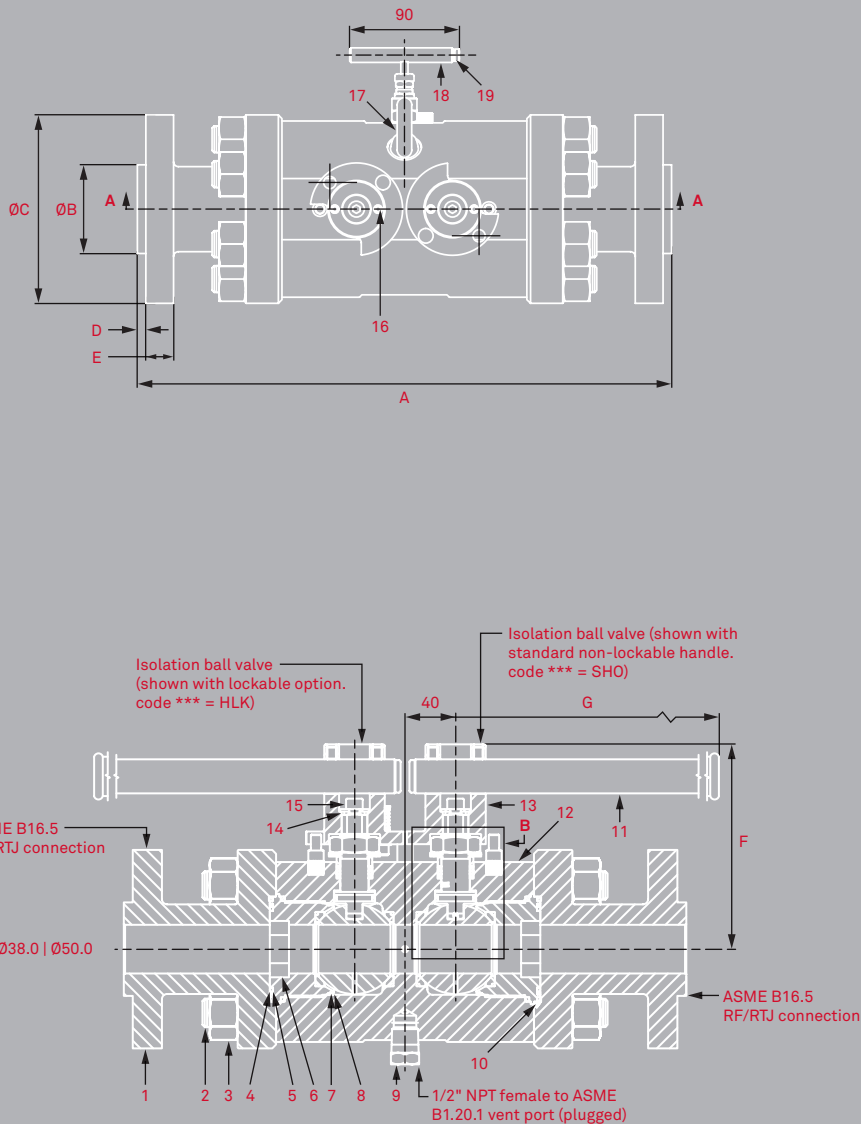
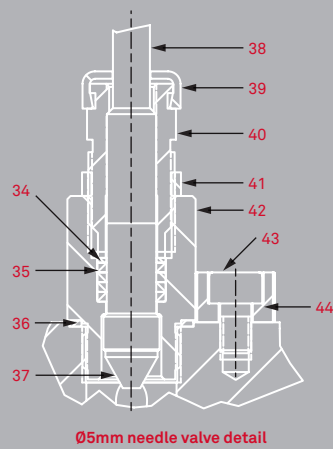
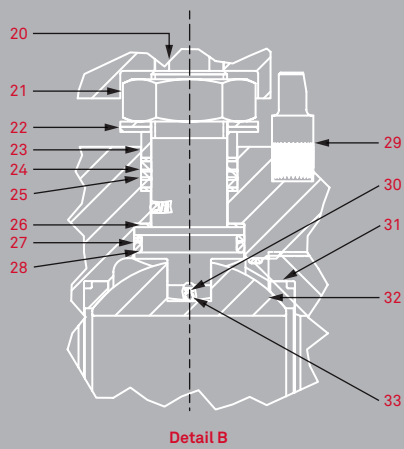
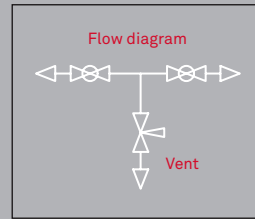
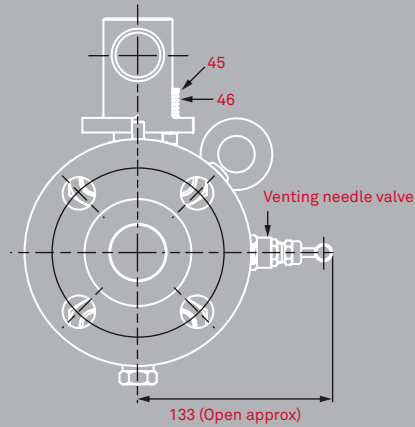


XC Ø38 & Ø50 DBB Valve Manifold

Qualifications

- Fire safe to ISO 10497
- Fugitive emission tight ball valve design
- Class A tight to the CO2 level between -29°C > 40°C at pressure of 431 bar (6250 psi) and below
- Class B tight to the CO1 level between -46°C > 100°C at pressure of 431 bar (6250 psi) and below
- API 6A PR2 qualified ball valve design at class 2500
- Endurance tested to 1200 operational cycles at class 2500 in accordance with API 6A criteria
- Type Approval Tested in accordance with SPE 77-300 at class 2500 + class 600 between +150°C and -29°C





Item No.	Description	Material	Quantity	Item No.	Description	Material	Quantity
1	BOLT ON FLANGE	#	2	24	ANTI-EXTRUSION RING	PEEK	4
2	STUD	*	12 - 16	25	STEM SEAL	GRAPHITE	6
3	NUT	*	12 - 16	26	THRUST WASHER	PEEK	2
4	O-RING	ENDURA V91A	2	27	BACK-UP RING	PEEK	2
5	BACK-UP RING	PEEK	2	28	O-RING	ENDURA V91A	2
6	SEAT RETAINER	A479 UNS S31803	2	29	STOP PIN	UNS S31600	2
7	BACK-UP RING	PEEK	2	30	ANTI-STATIC SPRING	INCONEL X750	4
8	O-RING	ENDURA V91A	2	31	SEAT	PEEK	4
9	1/2" N.PT BLANK PLUG	†	1	32	BALL	A479 UNS S31803	2
10	BODY SEAL	GRAPHITE	4	33	2.5mm BALL	B446 UNS N06625	4
11	TB2 HANDLE	UNS S31600	2	34	PACKING WASHER	RTFE	2
12	VALVE BODY	#	1	35	GLAND PACKING	GRAPHITE	3
13	HANDLE BOSS	UNS S31600	2	36	BONNET SEAL	UNS S31600	1
14	HANDLE WASHER	UNS S31600	2	37	NEEDLE VALVE TIP	A479 UNS S31803	1
15	SHC SCREW	A4 ST/ST	2	38	NEEDLE STEM	A479 UNS S31803	1
16	SET SCREW	A4 ST/ST	4	39	DUST CAP	PVC	1
17	LIFTING EYE	A4 ST/ST	1	40	GLAND ADJUSTER	UNS S31600	1
18	EXTENDED "T" HANDLE	UNS S31600	1	41	GLAND LOCKNUT	UNS S31600	1
19	HEX CAP SCREW	A4 ST/ST	1	42	BONNET HOUSING	‡	1
20	STEM	A479 UNS S31803	2	43	SHC SCREW	A4 ST/ST	1
21	HEX NUT	A4 ST/ST	2	44	LOCKING CAM	UNS S31600	1
22	BELLEVILLE WASHER	ST/ST	4	45	LOCKING PIN	UNS S31600	2
23	SPACER	A4 ST/ST	2	46	LOCKING PIN SPRING	UNS S31600	2

Components Key

= BODY/FLANGE MATERIAL (S=F316, L=LF2, U=F51)
 * = BOLTING MATERIAL (S & U = B8M/8MA L = L7M/7M)

† = 1/2" VENT PLUG MATERIAL (S & L = A479 UNS S31600, U = A479 UNS S31803)
 ‡ = BONNET HOUSING MATERIAL (S & L = A479 UNS S31600, U = A479 UNS S31803)

ALCO XC Ø50mm Bore

TABLE 1

RF/RTJ Flange x Flange/NPT

Flange size (in)	Class rating	Part No.	A - RF	A - RTJ	A 2" NPT - RF	A 2" NPT - RTJ	ØB - RF	ØB - RTJ	ØC	D	E - RF	E - RTJ	F	G	Nominal Mass (kg)
2"	150	XC-50#-16AR‡16AR‡-B*-***	459	467	475	479	92.1	102.1	150	18.0	2.0	6.4	170	300	63
2"	300	XC-50#-16BR‡16BR‡-B*-***	471	483	481	487	92.1	108.1	165	21.2	2.0	7.9	170	300	65
2"	600	XC-50#-16CR‡16CR‡-B*-***	491	493	491	492	92.1	108.1	165	25.9	7.0	7.9	170	300	66
2"	900/1500	XC-50#-16ER‡16ER‡-B*-***	533	535	512	513	92.1	124.1	215	38.6	7.0	7.9	200	500	80
2"	2500	XC-50#-16FR‡16FR‡-B*-***	565	567	528	529	92.1	133.1	235	51.4	7.0	7.9	200	500	91
3"	150	XC-50#-24AR‡24AR‡-B*-***	477	485	484	488	127.0	133.1	190	22.8	2.0	6.4	170	300	69
3"	300	XC-50#-24BR‡24BR‡-B*-***	493	505	492	498	127.0	146.1	210	27.5	2.0	7.9	200	300	74
3"	600	XC-50#-24CR‡24CR‡-B*-***	513	515	502	503	127.0	146.1	210	32.3	7.0	7.9	200	300	77
3"	900	XC-50#-24DR‡24DR‡-B*-***	533	535	512	513	127.0	156.1	240	38.6	7.0	7.9	200	500	87
3"	1500	XC-50#-16ER‡16ER‡-B*-***	559	561	525	526	127.0	168.1	265	48.2	7.0	7.9	240	500	101
3"	2500	XC-50#-16FR‡16FR‡-B*-***	601	607	546	549	127.0	168.1	305	67.2	7.0	9.5	240	500	133
4"	150	XC-50#-32AR‡32AR‡-B*-***	477	487	484	489	157.2	171.1	230	22.8	2.0	6.4	200	300	75
4"	300	XC-50#-32BR‡32BR‡-B*-***	499	511	495	501	157.2	175.1	255	30.7	2.0	7.9	200	300	85
4"	600	XC-50#-32CR‡32CR‡-B*-***	525	527	508	509	157.2	175.1	275	38.6	7.0	7.9	240	300	97
4"	900	XC-50#-32DR‡32DR‡-B*-***	545	547	518	519	157.2	181.1	290	45.0	7.0	7.9	240	500	107
4"	1500	XC-50#-32ER‡32ER‡-B*-***	573	575	532	533	157.2	194.1	310	54.5	7.0	7.9	240	500	124
4"	2500	XC-50#-32FR‡32FR‡-B*-***	621	629	556	560	157.2	203.1	355	76.7	7.0	11.1	240	500	172

Configuration Metric / mm

= BODY/FLANGE MATERIAL (S=F316, L=LF2, U=F51)

* = BOLTING MATERIAL (2FC=L7M, 8ST=B8M)

‡ = FLANGE TYPE (F=RF, J=RTJ)

*** = HANDLE OPTIONS (SHO=STANDARD, HLK=HANDLE LOCKABLE)

TABLE 2

Flange x NPT

XC-50#-16AR‡##02-B*-***
XC-50#-16BR‡##02-B*-***

NPT CONFIGURATIONS

*PLEASE NOTE: PART CODES VARY
DEPENDING ON THE CONFIGURATION
OF THE VALVE. AS SHOWN TO THE LEFT.

= NPT SIZE (10=1 1/4", 12=1 1/2", 16=2", 20=2 1/2")

TABLE 3

Size	RF	RTJ
1 1/4"	-56	-56
1 1/2"	-56	-56
2 1/2"	+12	+12

IN ORDER TO OBTAIN OVERALL LENGTH VALUES (A) FOR 2" AND 2 1/2" NPT CONNECTIONS, THE VALUES IN TABLE 3 NEED TO BE ADDED OR SUBTRACTED FROM THE OVERALL LENGTH (A). FOR EXAMPLE, TO CALCULATE THE OVERALL LENGTH FOR AN RF FLANGE x 2 1/2" FEMALE NPT WE ADD 12 TO THE 2" NPT - RF VALUES IN TABLE 1.