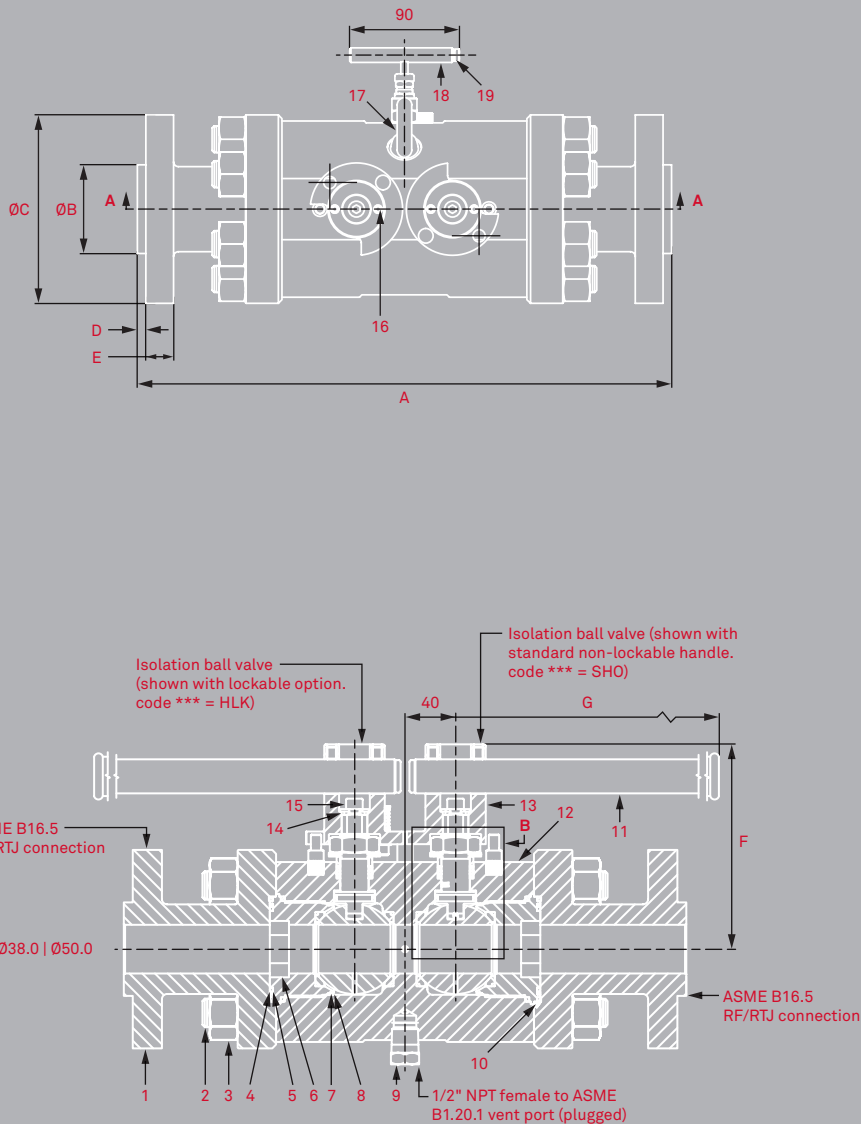
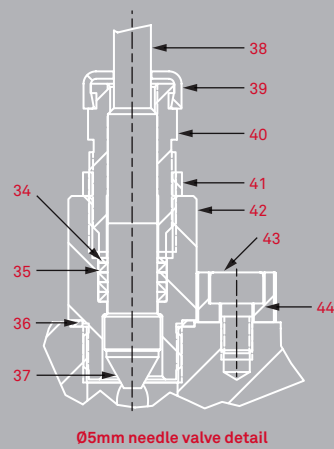
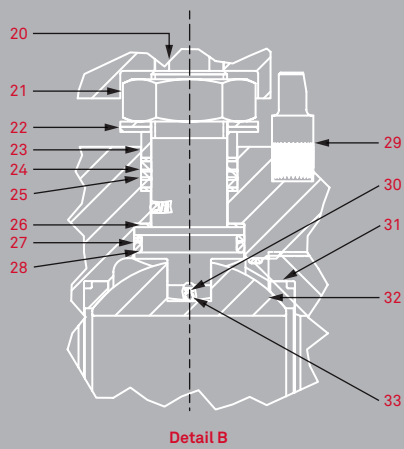
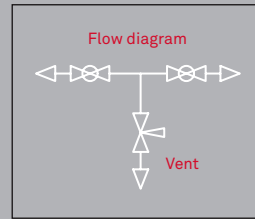
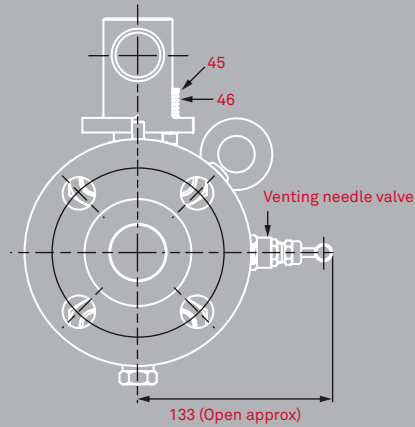


XC Ø38 & Ø50 DBB Valve Manifold

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 Ø38mm Bore

TABLE 1
RF/RTJ Flange x Flange/NPT

Configuration Metric / mm	Flange size (in)	Class rating	Part No.	A - RF	A - RTJ	A 1 1/2" NPT - RF	A 1 1/2" NPT - RTJ	ØB - RF	ØB - RTJ	ØC	D	E - RF	E - RTJ	F	G	Nominal Mass (kg)
		1 1/2"	150	XC-38#-12AR‡12AR‡-B*-***	402	410	417	421	73.0	82.6	125	16.4	2.0	6.4	160	300
	1 1/2"	300	XC-38#-12BR‡12BR‡-B*-***	424	434	428	433	73.0	90.6	155	19.6	2.0	6.4	160	300	46
	1 1/2"	600	XC-38#-12CR‡12CR‡-B*-***	440	440	436	436	73.0	90.6	155	22.8	7.0	6.4	160	300	47
	1 1/2"	900/1500	XC-38#-12ER‡12ER‡-B*-***	476	474	454	453	73.0	92.1	180	32.3	7.0	6.4	190	500	53
	1 1/2"	2500	XC-38#-12FR‡12FR‡-B*-***	510	512	471	472	73.0	114.1	205	45.0	7.0	6.4	190	500	64
	2"	150	XC-38#-16AR‡16AR‡-B*-***	418	426	425	429	92.1	102.1	150	18.0	2.0	6.4	160	300	45
	2"	300	XC-38#-16BR‡16BR‡-B*-***	424	436	428	434	92.1	108.1	165	21.2	2.0	7.9	160	300	47
	2"	600	XC-38#-16CR‡16CR‡-B*-***	444	446	438	439	92.1	108.1	165	25.9	7.0	7.9	160	300	49
	2"	900/1500	XC-38#-16ER‡16ER‡-B*-***	472	472	452	452	92.1	124.1	215	38.6	7.0	7.9	190	500	62
	2"	2500	XC-38#-16FR‡16FR‡-B*-***	502	504	467	468	92.1	133.1	235	51.4	7.0	7.9	230	500	74
	3"	150	XC-38#-24AR‡24AR‡-B*-***	428	436	430	434	127.0	133.1	190	22.8	2.0	6.4	190	300	52
	3"	300	XC-38#-24BR‡24BR‡-B*-***	438	450	435	441	127.0	146.1	210	27.5	2.0	7.9	190	300	56
	3"	600	XC-38#-24CR‡24CR‡-B*-***	458	460	445	446	127.0	146.1	210	32.3	7.0	7.9	190	300	59
	3"	900	XC-38#-24DR‡24DR‡-B*-***	470	472	451	452	127.0	156.1	240	38.6	7.0	7.9	230	500	69
	3"	1500	XC-38#-24ER‡24ER‡-B*-***	490	492	461	462	127.0	168.1	265	48.2	7.0	7.9	230	500	82
	3"	2500	XC-38#-24FR‡24FR‡-B*-***	534	538	483	485	127.0	168.1	305	67.2	7.0	9.5	230	500	114

= 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	NPT CONFIGURATIONS
XC-38#-12AR‡##02-B*-***	*PLEASE NOTE: PART CODES VARY
XC-38#-12BR‡##02-B*-***	DEPENDING ON THE CONFIGURATION OF THE VALVE. AS SHOWN TO THE LEFT.

= NPT SIZE (08=1", 10=1 1/4", 12=1 1/2", 16=2")

TABLE 3

Size	RF	RTJ
1"	-53	-53
1 1/4"	-53	-53
2"	+15	+15

IN ORDER TO OBTAIN OVERALL LENGTH VALUES (A) FOR 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" FEMALE NPT** WE ADD 15MM TO THE 1 1/2" NPT - RF VALUES IN TABLE 1.