HIGH COUNTRY FUSION COMPANY INC

STANDARD DCS SIMAL-FUSE SIZES

COMMON SIZE	CONTAINMENT PIPE	SDR	WALL	CARRIER PIPE	SDR	WALL	ANULAR SPACE	MUST BE BETWEEN 80% AND 120%
3 X 1	3.5	17	0.206	1.315	7	0.188	0.887	91%
3 X 1 1/4	3.5	17	0.206	1.66	9	0.184	0.714	90%
3 X 1 1/2	3.5	17	0.206	1.9	9	0.211	0.594	103%
4 X 2	4.5	17	0.265	2.375	9	0.264	0.798	100%
6 X 3	6.625	17	0.390	3.5	11	0.318	1.173	82%
6 X 4	6.625	17	0.390	4.5	11	0.409	0.673	105%
8 X 4	8.625	17	0.507	4.5	11	0.409	1.555	81%
10 X 6	10.75	17	0.632	6.625	11	0.602	1.430	95%
12 X 8	12.75	17	0.750	8.625	11	0.784	1.313	105%
14 X 10	14	17	0.824	10.75	11	0.977	0.801	119%
16 X 10	16	17	0.941	10.75	11	0.977	1.684	104%
18 X 12	18	17	1.059	12.75	11	1.159	1.566	109%
18 X 14	18	17	1.059	14	11	1.273	0.941	120%
20 X 14	20	17	1.176	14	11	1.273	1.824	108%
20 X 16	20	15.5	1.290	16	11	1.455	0.710	113%
22 X 16	22	17	1.294	16	11	1.455	1.706	112%
22 X 18	22	15.5	1.419	18	11	1.636	0.581	115%
24 X 18	24	17	1.412	18	11	1.636	1.588	116%
26 X 20	26	17	1.529	20	11	1.818	1.471	119%
28 X 22	28	15.5	1.806	22	11	2.000	1.194	111%
30 X 24	30	15.5	1.935	24	11	2.182	1.065	113%

WHEN USING A SIMULTANEOUSLY FUSED DUAL CONTAINMENT SYSTEM, IT IS VERY IMPORTANT THAT PIPE WALL THICKNESS OF EACH PIPE IS WITHIN A 20% RANGE OF EACH OTHER TO MAINTAIN A HEAT AND PRESSURE RELATIONSHIP AS WELL AS BEING ASSURED THE BLIND FUSION (THE INTERNAL CARRIER PIPE) IS BEING HEATED AND WELED PROPERLY.

NOTE THAT AS THE CARRIER PIPE SDR BECOMES THICKER OR THINNER, THE SAME CAN BE ACCOMPLISHED WITH THE CONTAINMENT PIPE. AS AN EXAMPLE 14" SDR 32.5 AND 10" SDR 26 WOULD BE TWO PIPES THAT COULD BE SIMAL-FUSED USING THESE PARAMETERS AS THEIR WALL THICKNESSES ARE WITHIN 4% OF EACH OTHER. PLEASE CHECK WITH HCFC ON ANY QUESTIONS.

14 X 10	14	32.5	0.431	10.75	26	0.413	1.194	96%