

OPERATION & SAFETY INSTRUCTIONS

ATEX VORTEX A/C

Models 7315, 7325, 7335, 7370, 7415, 7425, 7435, 7470, 8115, 8125, 8135, 8170
(Includes all BSP versions of models listed above)



IMPORTANT

Please read all instructions BEFORE attempting to use this product



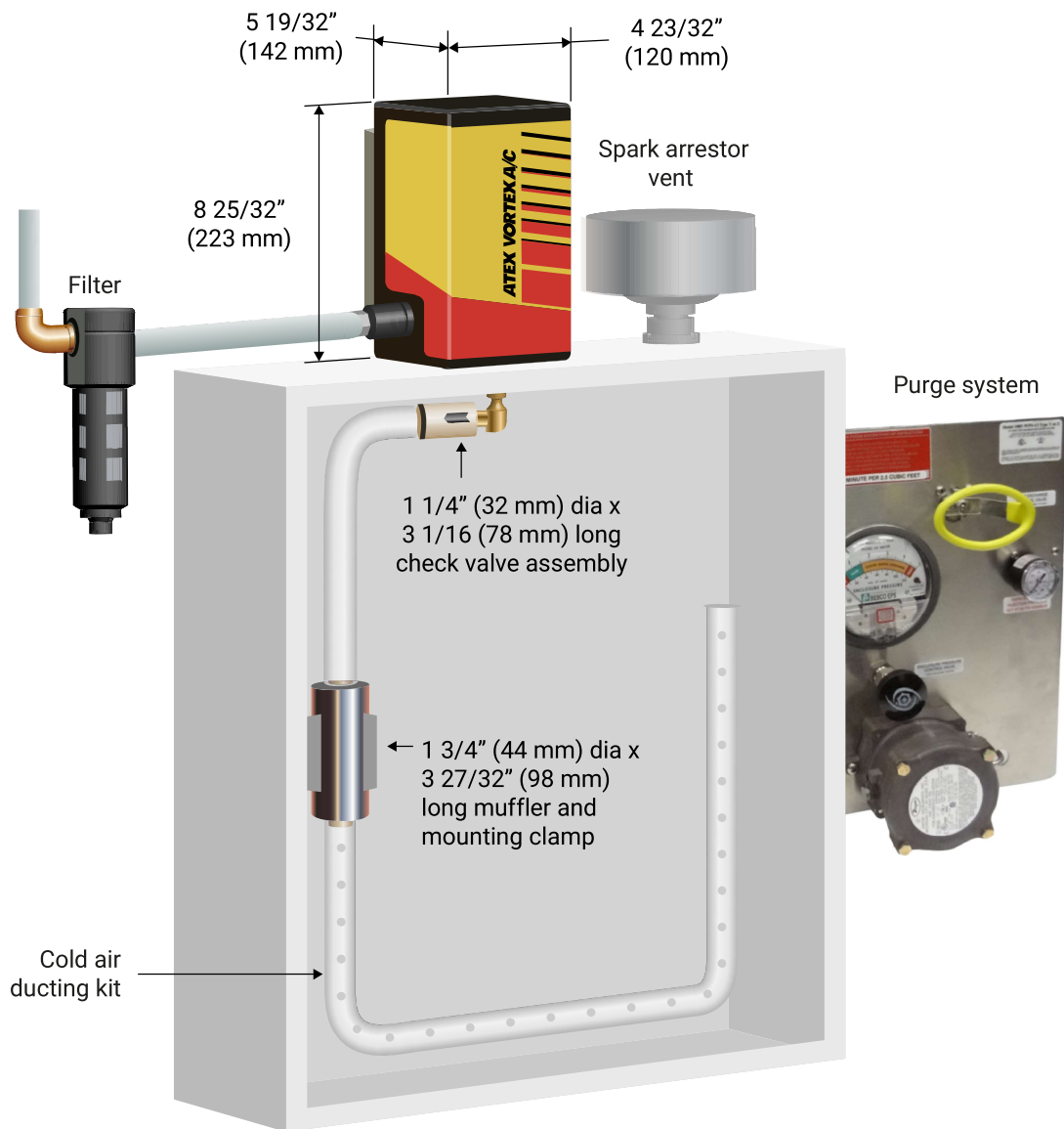
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ATEX Vortex A/C Assembly

(Drawings shown below are not to scale)

Models 7315, 7325, 7335, 7415, 7425, 7435, 8115, 8125, 8135, and BSP versions



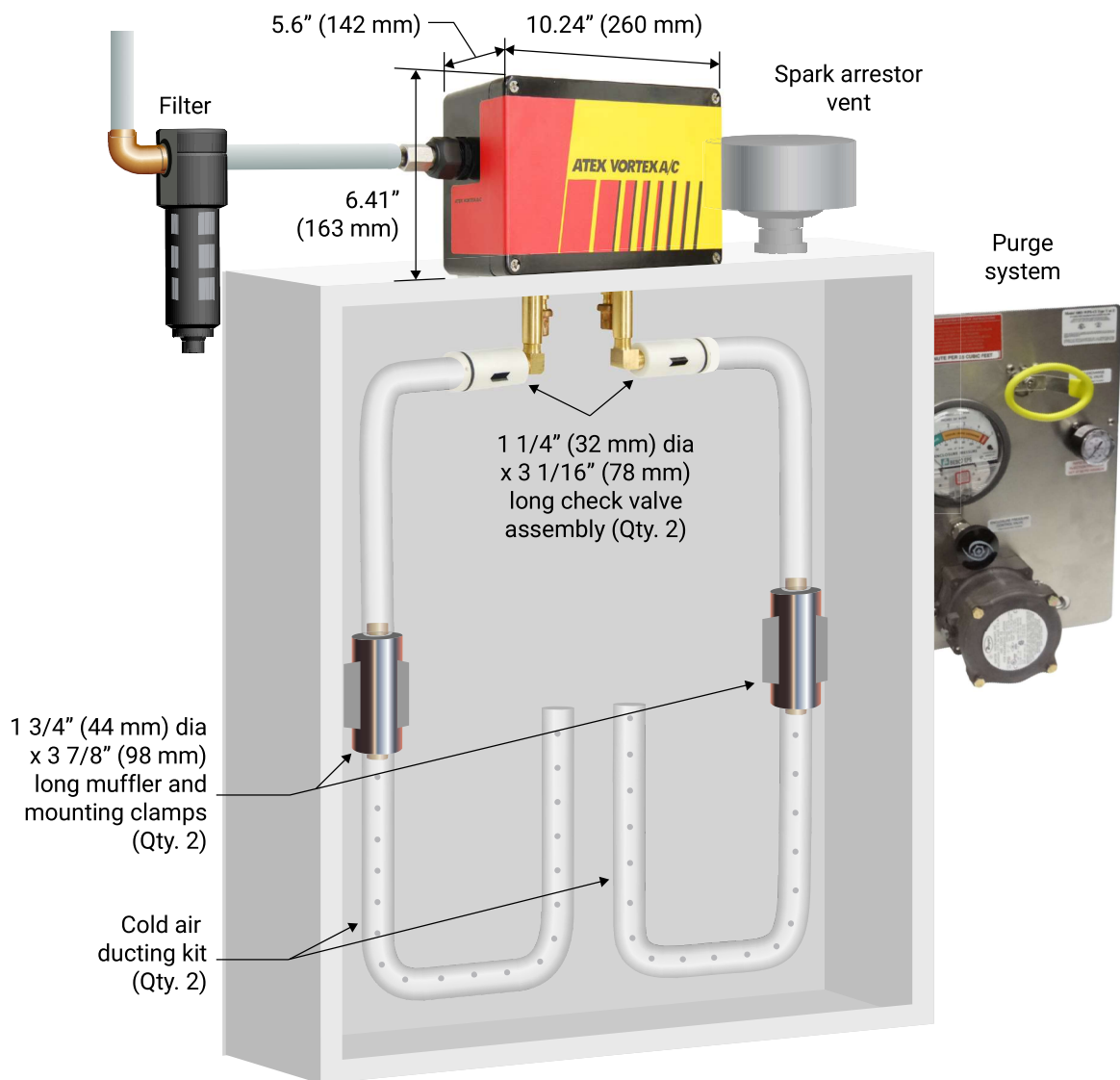
SHOWN TOP MOUNTED ON CUSTOMER'S ENCLOSURE

PURGE SYSTEM SHOWN FOR REFERENCE ONLY

ATEX Vortex A/C Assembly

(Drawings shown below are not to scale)

Models 7370, 7470, 8170, and BSP versions



SHOWN TOP MOUNTED ON CUSTOMER'S ENCLOSURE

PURGE SYSTEM SHOWN FOR REFERENCE ONLY

Table 1: Filter Recommendations

FILTER AND REPLACEMENT PART ITEM NUMBERS		
Vortec Model	Oil Removal Filter	Replacement Generator Kits (5 pcs)
7315, 7415, 8115, 8115, and BSP versions	701S-48	208GK-15H
7325,7425, 8125, and BSP versions	701S-48	208GK-25H
7335, 7370, 7435, 7470, 8135, 8170 and BSP versions	701S-54	208GK-35H

Table 2: Determining Compressed Air Line Size

1. Calculate total product compressed air consumption (SCFM, SLPM).
2. Determine length of compressed air line required for connection to main supply.
3. Locate pipe length in left column and read to the right to find the compressed air requirements.
4. Locate pipe size at top of column.

MAXIMUM AIRFLOW (SCFM) THROUGH PIPE AT 5 PSIG PRESSURE DROP (100 PSIG AND 70°F)									
Pipe Length (Feet)	Pipe Size (Nominal) - Schedule 40								
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
10	29	65	120	254	480	978	1483	2863	4536
20	21	46	85	180	340	692	1049	2024	3208
30	17	37	70	147	277	565	856	1653	2619
40	15	32	60	127	240	489	792	1431	2268
50	13	29	54	114	215	437	663	1280	2029
60	12	26	49	104	196	399	606	1169	1852
70	11	25	46	96	181	370	561	1082	1715
80	10	23	43	90	170	346	524	1012	1604
90	10	22	40	85	160	326	494	954	1512
100	9	21	38	80	152	309	469	905	1435

MAXIMUM AIRFLOW (SLPM) THROUGH PIPE AT 0.3 BAR PRESSURE DROP (6.9 BAR AND 21°C)									
Pipe Length (Meters)	Pipe Size (Nominal) - Schedule 40								
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
3	821	1840	3396	7188	13584	27677	42117	81023	128369
6	594	1302	2406	5094	9622	19584	29687	57279	90786
9	481	1047	1981	4160	7839	15990	24225	46780	74188
12	425	906	1698	3594	6792	13839	20999	40497	64184
15	368	821	1528	3226	6085	12367	18763	36224	57421
18	340	736	1387	2943	5547	11292	17150	33083	52412
21	311	708	1302	2717	5122	10471	15877	30621	48535
24	283	651	1217	2547	4811	9792	14829	28640	45393
27	269	623	1132	2406	4528	9226	13980	26998	42790
31	255	594	1075	2264	4302	8745	13273	25612	40611

Rubber hose maximum airflow rating: 1/2" I.D. rubber hose = 3/8" pipe; 3/4" I.D. rubber hose = 1/2" pipe