

AMEREX® CORPORATION

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<http://www.amerex-fire.com>**Subject: Use of KP600 Agent Tanks on systems with ZD coverage****Date: December 17th 2019****System: Amerex KP**

To Whom it may concern:

This letter is to clarify the use of KP600 Agent Tanks with Zone Protection Coverage. Amerex approves the use of Appliance Specific, Full Zone, or Mixed Zone/Appliance specific coverage all under the same hood. Our UL manual number 20150 the original ZD and KP manuals were combined. Adding the available piping information of the KP600 for the zone portion of this coverage was an oversight. When using Mixed coverage under a hood the lesser of the two piping limitations must be used. With that in mind the allowable piping limitations for KP600s when all or a portion of the coverage is zone coverage is as follows:

Amerex Zone Defense Piping limit Charts						
see page 3-49 for details						
Supply Line Limitations						
Cylinder Flow Points	Pipe Size	Maximum Linear Feet of Pipe	Max Qty Tees	Max Qty Elbows	Max Qty Bushings	
275 = 8	3/8	20	1	5	0	
375 = 14	3/8	20	1	5	1	
475 = 14	1/2	20	1	5	2	
600 = 18	1/2	20	1	5	2	
2x375 = 22	1/2	20	2	6	2	
Supply Branch Limitations						
Cylinder Flow Points	Pipe Size	Max. Feet of Pipe Straight or Split	Max Qty Tees	Max Qty Elbows	Max Qty Reducing Bushings	
275 = 8	3/8	20/25	7	8	0	
375 = 14	3/8	22	6	8	2	
475 = 14	3/8	27	12	8	2	
600 = 18	3/8	28	12	8	2	
2x375 = 22	3/8	32	14	9	2	
Nozzle Branch Line Limitations						
Cylinder Flow Points	Pipe Size	Total Linear Feet of Pipe	Max Qty Tees	Max Qty Elbows		
275 = 8	3/8	32	5	10		
375 = 14	3/8	22	4	12		
475 = 14	3/8	32	10	15		
600 = 18	3/8	32	10	15		
2x375 = 22	3/8	32	6	22		
Standard KP Appliance Specific Piping limit charts						
see page 3-33 for details						
Supply Line Limitations						
Cylinder Flow Points	Pipe Size	Maximum Linear Feet of Pipe	Max Qty Tees	Max Qty Elbows	Max Qty Bushings	
600 = 18	1/2	25	1	5	2	
Supply Branch Limitations						
Cylinder Flow Points	Pipe Size	Max. Feet of Pipe Straight	Max. feet of pipe split	Max Qty Tees	Max Qty Elbows	Max Qty Reducing Bushings
600 = 18	As noted	35' of 3/8" or 1/2"	50' 3/8" pipe	14	8	2
Nozzle Branch Line Limitations						
Cylinder Flow Points	Pipe Size	Total Linear Feet of Pipe	Max Qty Tees	Max Qty Elbows	Max Qty Bushings	
600 = 18	3/8	32	11	18	15	

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Please let us know if you have any further questions concerning utilizing a KP600 tank in Mixed ZD or in Zone only coverages. This letter is based on our extensive knowledge of fire testing and tested agent piping limitations.

Sincerely,

Michael J Gaston

KP™/ IS Product Manager

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