

Minimum Piping Requirments			
Appliance	Min Linear Feet	Equivalent Feet	Min Flow Points per System
Fryer	6.5	10	2
Wok	9	22.1	6
Range	7	16.4	4

Supply Line Limitations (max vertical rise is 10' from point of discharge)					
Cylinder Size - Flow Points (fp)	Pipe Size in Inches	Max Linear Feet of Pipe	Max Qty of Tees	Max Qty of Elbows	Max Qty of Bushings
250 - 7fp	3/8	20	1	6	0
275 - 8fp	3/8	20	1	5	0
375 - 11fp	3/8 or 1/2	25	1	5	1
475 - 14fp	1/2	25	1	5	2
600 - 18fp	1/2	25	1	5	2
2-375 - 22fp	1/2	30	2	7	2
2-475 - 28fp	1/2	20	2	7	0

Supply Branch Line						
Cylinder Size - Flow Points (fp)	Pipe Size in Inches	Max Feet of Pipe Straight	Max Feet of Pipe Split	Max Qty of Tees	Max Qty of Elbows	Max Qty of Bushings
250 - 7fp	3/8	20	25	7	8	0
275 - 8fp	3/8	20	25	7	8	0
375 - 11fp	3/8 or 1/2	27	30	10	8	2
475 - 14fp	3/8	27	30	12	8	2
600 - 18fp	as noted	3/8"or1/2"=35'	3/8" only = 50'	14	8	2
2-375 - 22fp	1/2	1/2"=40' (*3/8"=30')	1/2"=45 (*3/8"=30')	18	8	0
2-475 - 28fp	1/2	32	32	21	15	0

Note: 1. In a single 375 Straight system, 5' of pipe may be transferred from supply line to supply branch.

Note: 2. *3/8" pipe with manifolded 375s is permitted only when the supply line is less than or equal to 20'.

Nozzle Branch Line					
Cylinder Size - Flow Points (fp)	Pipe Size in Inches	Total Linear Feet of Pipe	Max Qty of Tees	Max Qty of Elbows	Max Qty of Bushings
250 - 7fp	3/8	32	5	15	0
275 - 8fp	3/8	32	5	10	0
375 - 11fp	3/8 or 1/2	32	8	12	11
475 - 14fp	3/8	32	10	15	2
600 - 18fp	3/8	32	11	18	15
2-375 - 22fp	3/8	32	18	18	20
2-475 - 28fp	3/8	44	15	32	24
Max Per Nozzle Branch		7	3	6	4

The information on this chart is provided for quick reference only. Please consult the current Amerex KP/ZD manual to confirm pipe allowances.

General Considerations

1. No ½" pipe nozzle branches less than 12" in length are allowed.
2. Max of (4) flow points per nozzle branch line.
3. Types of nozzles on a nozzle branch line may be mixed.
4. In the case of a system piping network having all single flow point nozzles, there shall be no nozzle branch line less than 12" in length.
5. The cylinder discharge fitting, hose and distribution block are not included in the piping calculations.
6. If a flex distribution hose is used in a nozzle branch line, then 48" of piping shall be subtracted from the overall allowable pipe for a nozzle branch line. (4' of hose + 3' of pipe = 7' max nozzle branch length)
7. Any fitting (s) associated with the installation of a flex distribution hose shall be counted against the overall nozzle branch piping limitations.
8. No mixing of pipe sizes within a piping category (supply line, supply branch line, nozzle branch line) is allowed. (i.e. one nozzle branch line is ½" pipe – all nozzle branches are to be 1/2" pipe.
9. ½" pipe for nozzle branches is allowed only in an (11) flow point system.
10. The maximum allowable vertical rise of pipe above the supply branch line for any duct nozzle branch is 4 feet (122 cm).

General Considerations

1. No ½" pipe nozzle branches less than 12" in length are allowed.
2. Max of (4) flow points per nozzle branch line.
3. Types of nozzles on a nozzle branch line may be mixed.
4. In the case of a system piping network having all single flow point nozzles, there shall be no nozzle branch line less than 12" in length.
5. The cylinder discharge fitting, hose and distribution block are not included in the piping calculations.
6. If a flex distribution hose is used in a nozzle branch line, then 48" of piping shall be subtracted from the overall allowable pipe for a nozzle branch line. (4' of hose + 3' of pipe = 7' max nozzle branch length)
7. Any fitting (s) associated with the installation of a flex distribution hose shall be counted against the overall nozzle branch piping limitations.
8. No mixing of pipe sizes within a piping category (supply line, supply branch line, nozzle branch line) is allowed. (i.e. one nozzle branch line is ½" pipe – all nozzle branches are to be 1/2" pipe.
9. ½" pipe for nozzle branches is allowed only in an (11) flow point system.
10. The maximum allowable vertical rise of pipe above the supply branch line for any duct nozzle branch is 4 feet (122 cm).