

**Table 9.3.a.: Pipe Sizes Connecting to Centrifugal Fire Pump**

PUMP RATING	SUCTION	DIS-CHARGE	RELIEF VALVE	RELIEF VALVE DIS-CHARGE	METER DEVICE	NUMBER/ SIZE OF HOSE VALVES	HOSE HEADER SUPPLY
50 gpm	38mm (1 <sup>1/2"</sup> )	32mm (1 <sup>1/4"</sup> )	32mm (1 <sup>1/4"</sup> )	38mm (1 <sup>1/2"</sup> )	50mm (2")	1-25mm (1")	38mm (1 <sup>1/2"</sup> )
100 gpm	50mm (2")	50mm (2")	38mm (1 <sup>1/2"</sup> )	50mm (2")	65mm(2 <sup>1/2"</sup> )	1-38mm(1 <sup>1/2"</sup> )	65mm (2 <sup>1/2"</sup> )
150 gpm	65mm (2 <sup>1/2"</sup> )	65mm(2 <sup>1/2"</sup> )	50mm (2")	65mm(2 <sup>1/2"</sup> )	75mm (3")	1-65mm(2 <sup>1/2"</sup> )	65mm (2 <sup>1/2"</sup> )
200 gpm	75mm (3")	75mm (3")	50mm (2")	65mm(2 <sup>1/2"</sup> )	75mm (3")	1-65mm(2 <sup>1/2"</sup> )	65mm (2 <sup>1/2"</sup> )
250 gpm	85mm (3 <sup>1/2"</sup> )	75mm (3")	50mm (2")	65mm(2 <sup>1/2"</sup> )	85mm (3 <sup>1/2"</sup> )	1-65mm(2 <sup>1/2"</sup> )	75mm (3")
300 gpm	100mm (4")	100mm (4")	65mm(2 <sup>1/2"</sup> )	85mm (3 <sup>1/2"</sup> )	85mm (3 <sup>1/2"</sup> )	1-65mm(2 <sup>1/2"</sup> )	75mm (3")
400 gpm	100mm (4")	100mm (4")	75mm (3")	125mm (5")	100mm (4")	2-65mm(2 <sup>1/2"</sup> )	100mm (4")
450 gpm	125mm (5")	125mm (5")	75mm (3")	125mm (5")	100mm (4")	2-65mm(2 <sup>1/2"</sup> )	100mm (4")
500 gpm	125mm (5")	125mm (5")	75mm (3")	125mm (5")	125mm (5")	2-65mm(2 <sup>1/2"</sup> )	100mm (4")
750 gpm	150mm (6")	150mm (6")	100mm (4")	150mm (6")	125mm (5")	3-65mm(2 <sup>1/2"</sup> )	150mm (6")
1000 gpm	200mm (8")	150mm (6")	100mm (4")	200mm (8")	150mm (6")	4-65mm(2 <sup>1/2"</sup> )	150mm (6")
1250 gpm	200mm (8")	200mm (8")	150mm (6")	200mm (8")	150mm (6")	6-65mm(2 <sup>1/2"</sup> )	200mm (8")
1500 gpm	200mm (8")	200mm (8")	150mm (6")	200mm (8")	200mm (8")	6-65mm(2 <sup>1/2"</sup> )	200mm (8")
2000 gpm	250mm (10")	250mm (10")	150mm (6")	250mm (10")	200mm (8")	6-65mm(2 <sup>1/2"</sup> )	200mm (8")
2500 gpm	250mm (10")	250mm (10")	150mm (6")	250mm (10")	200mm (8")	8-65mm(2 <sup>1/2"</sup> )	250mm (10")
3000 gpm	300mm (12")	300mm (12")	200mm (8")	300mm (12")	200mm (8")	12-65mm (2 <sup>1/2"</sup> )	250mm (10")
3500 gpm	300mm (12")	300mm (12")	200mm (8")	300mm (12")	250mm (10")	12-65mm (2 <sup>1/2"</sup> )	300mm (12")
4000 gpm	350mm (14")	300mm (12")	200mm (8")	350mm (14")	250mm (10")	16-65mm (2 <sup>1/2"</sup> )	300mm (12")
4500 gpm	400mm (16")	350mm (14")	200mm (8")	350mm (14")	250mm (10")	16-65mm (2 <sup>1/2"</sup> )	300mm (12")
5000 gpm	400mm (16")	350mm (14")	200mm (8")	350mm (14")	250mm (10")	20-65mm (2 <sup>1/2"</sup> )	300mm (12")