



**OPERATING POLICY 4a
FIRE FLOW REQUIREMENTS
FOR SINGLE FAMILY HOMES**



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**From the 2015 International Fire Code
Effective July 2016**

**IFC TABLE B105.1(1)
REQUIRED FIRE-FLOW FOR ONE- AND TWO-FAMILY DWELLINGS,
GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES**

FIRE-FLOW CALCULATION AREA (square feet)	AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
0-3,600	No automatic sprinkler system	1,000	1
3,601 and greater	No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2) at the required fire-flow rate
0-3,600	Section 903.3.1.3 of the International Fire Code or Section P2904 of the International Residential Code	500	1/2
3,601 and greater	Section 903.3.1.3 of the International Fire Code or Section P2904 of the International Residential Code	1/2 value in Table B105.1(2)	1

**TABLE B105.1(2)
REFERENCE TABLE FOR TABLE B105.1(1)**

Fire flow calculation area (square feet)					Fire flow (gallons per min)
Type IA and IB	Type IIA and IIIA	Type IV and V-A	Type IIB and IIIB	Type V-B	
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500 *
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000

*Per Table B105.1(1), 1,000 gpm is adequate for houses up to and including 3,600 square feet; 1,500 gpm is required for all occupancies other than single family residences