

flow through such device or devices shall at no time be greater than the rated flow of the connected grease interceptor. No flow-control device having adjustable or removable parts shall be approved. The vented flow-control device shall be located such that no system vent shall be between the flow-control and the grease interceptor inlet. The vent or air inlet of the flow-control device shall connect with the sanitary drainage vent system, as elsewhere required by this code, or shall terminate through the roof of the building, and shall not terminate to the free atmosphere inside the building.

Exception: Listed grease interceptors with integral flow controls or restricting devices shall be installed in an accessible location in accordance with the manufacturer's instructions.

1014.2.2 The total capacity in litres of fixtures discharging into any hydromechanical grease inter-

ceptor shall not exceed 2-1/2 times the certified litres per second flow rate of the interceptor as per Table 10-2.

For the purpose of this section, the term "fixture" shall mean and include each plumbing fixture, appliance, apparatus, or other equipment required to be connected to or discharged into a grease interceptor by any provision of this section.

1014.2.3 A vent shall be installed downstream of hydromechanical grease interceptors in accordance with the requirements of this code.

1014.3 Gravity Grease Interceptors. Required gravity grease interceptors shall comply with the provisions of Sections 1014.3.1 through 1014.3.6.

1014.3.1 General. The provisions of this section shall apply to the design, construction, installation, and testing of commercial kitchen gravity grease interceptors.

TABLE 10-2
Hydromechanical Interceptor Sizing Using Gravity Flow Rates¹

Diameter of Grease Waste Pipe mm	Maximum Full Pipe Flow ² L/s	Size of Grease Interceptor	
		One-Minute Drainage Period L/s	Two-Minute Drainage Period L/s
50	1.3	1.3	0.6
75	3.8	4.7	2.2
100	7.9	9.5	4.7
125	14.5	15.8	7.9
150	23.7	31.5	15.8

¹ For interceptor sizing by fixture capacity see the example below.

² 6.4mm/m slope per metre based on Manning's formula with friction factor N = 0.012

SI: 1L/s = 15.85 gpm; 1mm = 0.04 in.

Example For Sizing
Hydromechanical Interceptor(s) Using Fixture Capacity

Step 1: Determine the flow rate from each fixture.

[Length] X [Width] X [Depth] / [231] = L X [0.75 fill factor] / [Drain Period (1 min or 2 min)]

Step 2: Calculate the total load from all fixtures that discharge into the interceptor.

Fixtures	Compartments	Load	Size of Grease Interceptor	
			One-Minute Drainage Period	Two-Minute Drainage Period
		litres	L/s	L/s
Compartment Size 305mm x 610mm x 305mm	2	170	—	—
Hydrant	—	11.36	—	—
Rated Appliance	—	7.57	—	—
		188.9	3.15	1.58

SI: 1L = 0.26 gal.; 1L/s = 15.85 gpm