



**Automatic  
Grease Trap**

**BIG DIPPER®**

## Sizing Point Source Systems

### Single Fixture Sizing Suggestions

Use this chart to help size Big Dipper equipment that will service a single fixture. Single fixture Big Dipper equipment is designed to sit on the floor beside the fixture it is servicing. For basement installations or installations where the Big Dipper will be more than 6 feet (1.95 m) beneath the fixture it is servicing Thermaco, Inc. recommends the next larger unit be installed as well as installing the VFCA Vented Flow Control Assembly. Consult a licensed plumber regarding your specific requirements.

Fixture	Description	Compartment Size	Pipe Size	GPM Rating	Suggested System
Sink	1-3 Compartments	18" x 18" x 12"D	2"	20	W-200-IS
Sink	1-4 Compartments	18" x 24" x 15"D	2"	25	W-250-IS or W-250-AST
Sink	1-4 Compartments	24" x 24" x 15"D	3"	35	W-350-IS
Wok Range	Wok Range with 1-5 Wok Stations		2"	15	W-150-IS
Wok Range	Wok Range with 5+ Wok Stations		2"	20	W-200-IS
Pre-Rinse Station**			N/A		W-200-IS
Ventilation Hood			Use equipment manufacturer's peak gpm rating		
Other Fixtures or Appliances			Use equipment manufacturer's peak gpm rating		

\*To minimize grease/detergent emulsification, plumbing dishwashers directly into the sanitary sewer line is recommended. Consult local codes or a licensed plumber when considering plumbing a dishwasher to a Big Dipper unit.

\*\* Thermaco recommends the use of the FS-1 Flat Strainer or ESU-1 External Strainer Basket in combination with the Big Dipper in pre-rinse areas.

### Single Fixture Big Dipper Equipment

Model	GPM Rating
W-150-IS	15
W-200-IS	20
W-250-IS & W-250-AST	25
W-350-IS	35
W-500-IS	50





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**Sizing Multiple Fixture Installations**

**Multiple Fixture Sizing Suggestions**

Use this chart to help size Big Dipper equipment that will service multiple fixtures. Use standard Big Dipper systems for cases where the Big Dipper is less than four feet beneath the fixtures being serviced. For installations where the Big Dipper is servicing multiple fixtures and will be facing more than 6 feet (1.95 m) of head pressure use the next size Big Dipper system or install a Big Dipper AST (Automatic Solids Transfer) Central Grease Removal System. **Never install a smaller Big Dipper system than the rated GPM the chart calculates.** Consult a licensed plumber regarding your specific requirements.

**Multiple Fixture Flow Calculation:**

Fixture	# Fixtures	Fixture Value (GPM)	Total Fixture (GPM)	Averaging Multiplier	Flow Rating (GPM)
Floor Drains	#	7.5	# x 7.5	0.10	# GPM
3 Compartment sink	#	25	# x 25	0.25	# GPM
Pre-rinse Sink	#	15	# x 15	0.25	# GPM
Mop Sink	#	15	# x 15	0.25	# GPM
2 Compartment Sink	#	25	# x 25	0.25	# GPM
Hand Sink	#	7.5	# x 7.5	0.25	# GPM

**Example:**

Fixture	# Fixtures	Fixture Value (GPM)	Total Fixture (GPM)	Averaging Multiplier	Flow Rating (GPM)
Floor Drains	12	7.5	90	0.10	9
3 Compartment sink	2	25	50	0.25	12.5
Pre-rinse Sink	2	15	30	0.25	7.5
Mop Sink	1	15	15	0.25	3.75
2 Compartment Sink	1	25	25	0.25	6.25
Hand Sink	2	7.5	15	0.25	3.75

Total 42.75 gpm

**Note: Always use next larger size unit than the calculated flow rating. In this case, a W-500-IS system would adequately handle the kitchen flow.**

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