From:  
THE SMITH ENGINEERING GROUP  

PRODUCT ALERT: 8910 SERIES LINT INTERCEPTOR

The question was asked recently as to why a lint interceptor is needed for the washer. If you manage or have been around any type of laundry, lint is an everyday fact of life. There is washer lint and dryer lint. Both are different in some respects but in a commercial laundry, washer lint should be of concern to eliminate possible full or partial drainage clogging. Washer lint is wet, therefore; it mainly accumulates in one location which is the lint interceptor.

Lint is created by degradation over time of the item being laundered. Chemicals in the wash liquid and the mechanical action of washers (and dryers) gradually destroy fabrics. Besides these small particles of fabric, you have paper items and solid items left in pockets, debris, mud/dirt, and so forth attached to the clothing that are discharged through the lint interceptor.

Lint interceptors are sized according to the number of washing machines installed which possibly could be discharged simultaneously. This simultaneous concern is mostly for self-service laundries but also must be considered for private commercial laundries.

Jay R. Smith lint interceptors are designed with two lint screens. The primary and secondary screens are of stainless steel construction and removable for cleaning purposes. The outlet connection is lower than the inlet connection.

There are installations where the standard 8910 series unit cannot be installed. Often, an open trough located behind the washers is utilized. This trough can be flat or sloped but the volume must be large enough to handle all the washers if discharged simultaneously.

Whether using the trough style or another design, Smith can usually create a design that will be suitable along with intercepting the lint and debris. Two examples, SQ-2-3088 and SQ-8-3615 are attached.

SQ-8-3615 is a flat trough design fabricated from 304 stainless steel with two stainless steel removable filter screens (primary & secondary) and a dome bottom strainer covered with stainless steel mesh.

SQ-2-3088 is unique as it is installed at the low end of a poured-in-place concrete trough. A cast iron roof drain dome is configured over a removable stainless steel lint/sediment basket. The basket is suspended in a 20” square drainage body where the discharge outlet is located.

Both of these units are unique but satisfy the needs and requirements of the application.
It is recommended to offset the outlet piping up at a 45° angle. This serves two purposes: (1) it prevents lighter objects that pass through the screens and float on the water from sinking into the outlet pipe and then getting into the sanitary drainage system and (2) it creates a liquid seal that serves as a trap, preventing sewer gases from entering the building through the washer. Most codes do not dictate this type of outlet arrangement but is a Jay R. Smith recommendation.

The screens must be cleaned periodically. The frequency of cleaning is dependent upon the volume of use by the washers. The cleaning frequency will have to be determined by the end user.

Please refer to the attached submittal drawing.
LINT INTERCEPTORS

**Dimensions are subject to manufacturers tolerance and change without notice. We can assume no responsibility for use of superseded or void data.**

DRAWN BY: CHECKED BY: APPROVED BY: DRAWING NUMBER

REGULARLY FURNISHED:
Fabricated Steel with Gray Duco Coating and Stainless Steel Primary and Secondary Lint Screens, 3/16" (5) Diamond Plate Cover (Secured & Gasketed) and Threaded Inlet and Outlet.

<table>
<thead>
<tr>
<th>FIG. No.</th>
<th>GPM Flow Rate</th>
<th>Maximum Number Of Washers</th>
<th>* Inlet &amp; Outlet Size</th>
<th>Dimensions</th>
<th>Securing Screws In Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>8910-20</td>
<td>20</td>
<td>2</td>
<td>04 (100)</td>
<td>A = 30 (760)</td>
<td>B = 24 (610)</td>
</tr>
<tr>
<td>8910-25</td>
<td>25</td>
<td>3</td>
<td>04 (100)</td>
<td>36 (915)</td>
<td>24 (610)</td>
</tr>
<tr>
<td>8910-50</td>
<td>50</td>
<td>5</td>
<td>04 (100)</td>
<td>40 (1015)</td>
<td>26 (660)</td>
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<tr>
<td>8910-100</td>
<td>100</td>
<td>10</td>
<td>06 (150)</td>
<td>48 (1220)</td>
<td>30 (760)</td>
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<tr>
<td>8910-150</td>
<td>150</td>
<td>15</td>
<td>06 (150)</td>
<td>51 (1295)</td>
<td>32 (815)</td>
</tr>
<tr>
<td>8910-200</td>
<td>200</td>
<td>20</td>
<td>06 (150)</td>
<td>54 (1375)</td>
<td>36 (915)</td>
</tr>
<tr>
<td>8910-350</td>
<td>350</td>
<td>35</td>
<td>06 (150)</td>
<td>68 (1730)</td>
<td>42 (1065)</td>
</tr>
<tr>
<td>8910-500</td>
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<td>50</td>
<td>06 (150)</td>
<td>84 (2135)</td>
<td>54 (1375)</td>
</tr>
</tbody>
</table>

*Specify larger or smaller inlets/outlets as required.

NOTE: It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

**VARIATIONS:**
- All Stainless Steel Unit - SS
- Anchor Flange - F
- Extension - E Specify height eg: -E06 for 6"(150) Ext
- Flashing Flange with Flashing Clamp - F-C
- NO-HUB Inlet & Outlet Connection
- Option (2) 2"(51) Threaded Vent Connections - VC

**NOTE:** Dimensions shown in parentheses are in millimeters.
LINT TROUGH

REGULARLY FURNISHED:
Fabricated 304 Stainless Steel Lint Trough
with removable Stainless Steel Filter Screens,
4"(100) No-Hub bottom outlet, and Dome Bottom
Strainer (covered with Stainless Steel Mesh).

VARIATIONS:
- Type 316 Stainless Steel
- Flashing Clamp & Flange (-FC)
- Anchor Tabs

NO SCALE: Dimensions shown are in inches.
Dimensions shown in parentheses are in millimeters.
LAUNDRY TRENCH (TROUGH) DRAIN & LINT INTERCEPTOR

FUNCTION: Used at low end of laundry trench (trough) for drainage & lint interception.

NOTE: Recommended for a Maximum of Two Washers, not to Exceed 20 GPM Flow.

REGULARLY FURNISHED:
Duco Coated Fabricated Steel Drain Body with Removable Cast Iron Dome, Cast Iron Clamping Collar and Removable Stainless Steel 14x14 Mesh Lint/Sediment Bucket with Lifting Handle.

VARIATIONS:

OPTIONAL MATERIALS:

*"A" (Pipe Size) = 02 (50), 03 (75) or 04 (100)

Fig. SQ-2-3088........Threaded Outlet

Type 304 Stainless Steel Body
Galvanized Coated