

**Code Notes:** 1) Not much in the Plumbing Code on lint interceptors, except the diameter of the holes in the screens shall be 1/2" or less and 2) All commercial laundries require them. So if you are specifying a "commercial" washing machine, you will need to specify a lint interceptor. (Hotels, Fire stations, Senior Living, typical have commercial washers) 4) **Laundry machine dump temperature** must be accounted for. Verify the material of the lint interceptor can handle both the high temperature, which can be above 140 degrees and the thermal shocking of a cold rinse after a hot wash cycle.5) If temperatures are 140 degrees or above, you must specify a drain tempering valve, such as ThermOmegaTech model DTV 327 series with a one inch cold water connection, protected by a RPZ backflow preventer, Zurn-Wilkins model 375XL series.

**Sizing** The code says nothing about the sizing of lint interceptors, so we worked with Universal Laundry Systems, Ryan & Mark Hubbard, 734-727-0478 who represent UniMac laundry equipment, a long established manufacturer of quality equipment, specified by many of the major hotel chains, to find out their preferred sizing method.

**Expert Notes** Major issues 1) Cleaning: regular cleaning is a must, make it accessible, make it easy. This can be a problem with the in-ground non-trench style of interceptor, which can have heavy covers and when a blockage occurs it comes with little warning 2) GPM of dump: as you will see below in the preferred sizing method, these washers pump at a high gpm which must be accounted for. 3) Possible flooding: most commercial machines have an overflow vent in case of blockage, but we recommend an overflow vent in the cover. This puts some water on the floor before reaching the washer overflow, signaling that it is time to clean out the screens. We recommend two screens so the equipment is never out of service. Location: best in behind the washers with the access to the screens extending beyond the width of the washer or washers. Provide a floor drain or two in the laundry room for added flooding protection.

**Sizing** **Preferred Sizing Method:** Determine the high water level in gallons of the specified washer and multiply this by the number of washers. Since washers pump the water out very rapidly, the recessed trench style lint interceptor should have the capacity to hold all of the water from all the washers, plus a safety factor of 25%. (suds and bubbles slow down the drain rate). The formula is high level gallons per washer X # of washers X 1.25 = Trench style lint interceptor capacity. if you want to specify cubic capacity, divide this number by 7.48.

**Alternate Sizing Method:** Many of the drainage manufacturers have lint interceptors with the size based on the number of washing machines draining into it. No explanation of how they got to the actual size, is given. Installation can be problematic because of very shallow inverts, requiring extensions. Additionally the covers can be very heavy and difficult to remove, making cleaning a major process. Access is key to all interceptors, because our experience tells us that most do not get cleaned until they are blocked.

**Unimac High Fill Gallon Capacities**

45lb.....54.6	9.12 cubic	130lb.....146.62
65lb.....72.65		160lb.....180.28
85lb.....97.25		200lb.....225.16
105lb.....118.94		

Lint Interceptor Schedule													
Tag	Item	Make	Model Name & Description	Fixture Material	Flow	WSFU's		DFU's	Minimum Pipe Connection Sizes				Notes/ & Accessories
						C	H		W	V	CW	HW	
LI-	Lint Interceptor	Town & Country	LIR-96-12-12-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, 1/2" thick non-traffic removable perforated top. 96" long by 12" wide x 12" high	White Polypropylene	8 cubic ft Capacity			2	4" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide with 2" overflow and one 3" washer inlet in cover
LI-	Lint Interceptor	Town & Country	LIR-72-18-12-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 72" long by 18" wide x 12" high	White Polypropylene	9 cubic ft Capacity			2	4" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide with 2" overflow and one 3" washer inlet in cover
LI-	Lint Interceptor	Town & Country	LIR-78-24-12-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	13 cubic ft Capacity			2	4" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide with 2" overflow and one 3" washer inlet in cover
LI-	Lint Interceptor	Town & Country	LIR-72-18-18-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 72" long by 18" wide x 18" high	White Polypropylene	13.5 cubic ft Capacity			2	4" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide with 2" overflow and one 3" washer inlet in cover
LI-	Lint Interceptor	Town & Country	LIR-84-12-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 84" long by 12" wide x 24" high	White Polypropylene	14 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & one or two 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-84-12-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 84" long by 12" wide x 24" high	White Polypropylene	14 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & one or two 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-84-24-12-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	14 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & one or two 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-96-12-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, with two 4" standpipes and 1/2" thick non-traffic removable perforated top. 96" long by 12" wide x 24" high	White Polypropylene	16 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide with 2" overflow and two 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-96-24-12-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	16 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & one or two 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-72-18-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 72" long by 18" wide x 24" high	White Polypropylene	18 cubic ft Capacity			2	4" or 6" Std	-	-	-	Rated for temperatures up to 180 degrees continuous and 220 degrees intermittently Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-78-24-18-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	19.5 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-78-18-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 78" long by 18" wide x 24" high	White Polypropylene	20.1 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-84-24-18-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	21 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-84-18-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 84" long by 18" wide x 24" high	White Polypropylene	24 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-96-18-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 18" wide x 24" high	White Polypropylene	24 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-96-24-18-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	24 cubic ft Capacity			2	4" or 6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-78-24-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	26 cubic ft Capacity			2	6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-84-24-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	28 cubic ft Capacity			2	6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover
LI-	Lint Interceptor	Town & Country	LIR-96-24-24-2S lint interceptor with two removable screens with 1/2" diameter holes. Unit to be fabricated of 1/4" White Polypropylene, and 1/2" thick non-traffic removable perforated top. 96" long by 24" wide x 24" high	White Polypropylene	32 cubic ft Capacity			2	6" Std	-	-	-	able to handle 180 degrees continuous and 220 degrees intermittently. Provide DTV-327 if greater than 139 degrees Provide 2" overflow & two or three 3" washer inlets in cover



LI-	Lint Interceptor for up to 3 washing machines	Zum	Z1185-3 lint interceptor with acid resistant coated interior and exterior fabricated steel, with non-skid secured removable cover. Provide with aluminum intercepting secondary screen assembly, and permanent primary straining baffle with 3/8" diameter perforated holes.	Fabricated Steel	3 Machines		2	2"	2"	-	-	For maximum of 3 washing machines High inlet and low outlet
LI-	Lint Interceptor for up to 7 washing machines	Zum		Fabricated Steel	7 Machines		2	3"	3"	-	-	For maximum of 7 washing machines High inlet and low outlet
LI-	Lint Interceptor for up to 10 washing machines	Zum	Z1185-10 lint interceptor with acid resistant coated interior and exterior fabricated steel, with non-skid secured removable cover. Provide with aluminum intercepting secondary screen assembly, and permanent primary straining baffle with 3/8" diameter perforated holes.	Fabricated Steel	10 Machines		2	3"	3"	-	-	For maximum of 10 washing machines High inlet and low outlet
LI-	Lint Interceptor for up to 20 washing machines	Zum	Z1185-20 lint interceptor with acid resistant coated interior and exterior fabricated steel, with non-skid secured removable cover. Provide with aluminum intercepting secondary screen assembly, and permanent primary straining baffle with 3/8" diameter perforated holes.	Fabricated Steel	20 Machines		2	4"	4"	-	-	For maximum of 20 washing machines High inlet and low outlet

### Lint Interceptor Schedule

Tag	Item	Make	Model Name & Description	Fixture Material	Drainage Fixture Units	Outlet Sizes Available	Minimum Pipe Connection Sizes				Notes/ Accessories
							W	V	CW	HW	
TD-	Trench Drain HDPE 12" wide Throat	Zum	Z874-U-18-LDRS-2E1-U4-CUT, Long by 24" deep with 12" throat (18" wide overall) polyethylene trench drain less bottom slope. Provide with inline removable lint screen, light duty aluminum frame and steel cover.	HDPE Body Class A Cover	2 Per Drain Outlet	3, 4, 6, 8	As shown on plans	As shown on plans			Maximum temperature of 140 degrees High Density Polyethylene HPDE to be 0% water absorbent Square comers inside with zero slope Contractor to cut holes in grate as needed for washer discharge pipes
TD-	Laundry Trench Drain Stainless Steel 12" wide	Zum	Z895-RFSC-2E1-U_ ___ Feet Long Overall 12" wide (9 1/8" throat), 14 gauge type 304 stainless steel trench drain with 1.04% slope,	16 Gauge Stainless Steel Class C Grate	2 Per Drain Outlet	2, 3, 4, 6	As shown on plans				Maximum temperature of 240 degrees ASTM A-240 Provide KC clamp collar option if waterproof floor