



















	Standard Discharge Connections
and the dischar	ship, both lines shall be fitted with a standard ge connection in accordance with the following table: standard dimensions of flanges for discharge connections
Description	Dimension
Outside diameter	210 mm
Inner diameter	According to pipe outside diameter
Bolt circle diameter	170 mm
Slots in flange	4 holes 18 mm in diameter equidistantly placed on a bolt circle of the above diameter, slotted to the flange peripher The slot width to be 18 mm
FT	16 mm
Flange thickness	
Flange thickness Bolts and nuts: quantity and diameter	4, each of 16 mm in diameter and of suitable length
Flange thickness Bolts and nuts: quantity and diameter The flange is designed flat face. This flange, to	4, each of 16 mm in diameter and of suitable length to accept pipes up to a maximum internal diameter of 100 mm and shall be of steel or other equivalent material hav ogether with a suitable gasket, shall be suitable for a service pressure of 600 kPa.
Flange thickness Bolts and nuts: quantity and diameter The flange is designee itat face. This flange, t For shi In alte the shi couplin	4. each of 16 mm in diameter and of suitable length to accept pipes up to a maximum internal diameter of 100 mm and shall be of steel or other equivalent material hav ogether with a suitable gasket, shall be suitable for a service pressure of 600 kPa. The inner diameter may be 38 r rnative, ships in dedicated trades, i.e. passenger ferries p's discharge pipeline may be fitted with quick connection gs.





















Summary of Gart	bage Dispo	osal Regu	lations
	***All ships ex	cept platforms	
Garbage Type	Outside special areas	**In special areas	***Offshore platforms
Plastics - includes synthetic ropes and ishing nets and plastic garbage bags	Disposal prohibited	Disposal prohibited	Disposal prohibited
Floating dunnage, lining and packing materials	>25 miles offshore	Disposal prohibited	Disposal prohibited
Paper, rags, glass, metal, bottles, crockery and similar refuse	>12 miles	Disposal prohibited	Disposal prohibited
All other garbage including paper, rags, glass, etc. comminuted or ground	>3 miles	Disposal prohibited	Disposal prohibited
Food waste not comminuted or ground	>12 miles	>12 miles	Disposal prohibited
Food waste comminuted or ground	>3 miles	>12 miles	>12 miles
Mixed refuse types	****	****	****





	Compa	ction	Option	s on Boa	rd	
		C	ompaction charact	eristics		1
Typical examples	Special handling by vessel personnel before compaction	Rate of alteration	Retainment of compacted form	Density of compacted form	Onboard storage space	
Metal, food and beverage containers, glass, small wood pieces	None	Very rapid	Almost 100%	High	Minimum	
Comminuted plastics, fiber and paper board	Minor - reduce material to size for feed, minimal manual labor	Rapid	Approximately 80%	Medium	Minimum	
Small metal drums, uncomminuted cargo packing, large pieces of wood	Moderate - longer manual labor time required to size material for feed	Slow	Approximately 50%	Relatively low	Moderate	
Uncomminuted plastics	Major-very long manual labor time to size material for feed; usually impractical	Very slow	Less than 10%	Very low	Maximum	
Bulky metal cargo containers, thick metal items	Impractical for shipboard compaction; not feasible	Not applicable	Not applicable	Not applicable	Maximum	25

		Incineration characteristics				
Typical examples	Special handling by vessel personnel before incineration	Combust- ibility	Reduction of volume	Residual	Exhaust	Onboard storage space
Paper packaging, food and beverage containers	Minor - easy to feed into hopper	High	Over 95%	Powder ash	Possibly smoky and not hazardous	Minimum
Fiber and paper board	Minor - reduce material to size for feed; minimum manual labor	High	Over 95%	Powder ash	Possibly smoky and not hazardous	Minimum
Plastic packaging, food and beverage containers, etc.	Minor - easy to feed into hopper	High	Over 95%	Powder ash	Possibly smoky and hazardous based on incinerator design	Minimun
Plastic sheeting, netting, rope and bulk material	Moderate manual labor time for size reduction	High	Over 95%	Powder ash	Possibly smoky and hazardous based on incinerator design	Minimum

Incineration characteristics						
Typical examples	Special handling by vessel personnel before incineration	Combust- ibility of volume Residua		Residual	Exhaust	Onboard storage space
Rubber hoses and bulk pieces	Major manual labor time for size reduction	High	Over 95%	Powder ash	Possibly smoky and hazardous based on incinerator design	Minimum
Metal food and beverage containers, etc.	Minor - easy to feed into hopper	Low	Less 10%	Slag	Possibly smoky and not hazardous	Moderate
Metal cargo, bulky containers, thick metal items	Major manual labor time for size reduction (not easily incinerated)	Very Low	Less 5%	Large metal fragments and slag	Possibly smoky and not hazardous	Maximum
Glass food and beverage containers, etc.	Minor - easy to feed into hopper	Low	Less 10%	Slag	Possibly smoky and not hazardous	Moderate
Wood, cargo containers and large wood scraps	Moderate manual labor time for size reduction	High	Over 95%	Powder ash	Possibly smoky and not hazardous	Minimum





























