

Stainless Steel Types

Ver. 1.0

Steel type	Material group	AISI 302/304 Din 1.4301	AISI 316 Din 1.4401	AISI 420 Din 1.4034	AISI 440 C Din 1.4125
Wet Steam	<i>Water</i>	++	++	++	+
Domestic Water	<i>Water</i>	++	++	++	+
Sea Water	<i>Water</i>	++	++	--	--
Food Products	<i>Food</i>	++	++	0	+
Fruit and vegetables	<i>Food</i>	+	++	0	+
Dairy Products	<i>Food</i>	+	++	+	0
Hot Sulphite	<i>Liquor</i>	++	+	--	--
Dye	<i>Liquor</i>	-	-	0	-
HCL	<i>Dilute Acid</i>	+	--	--	--
H2SO4	<i>Dilute Acid</i>	+	+	--	--
HNO3	<i>Dilute Acid</i>	+	++	--	--
Phosphoric	<i>Dilute Acid</i>	+	+	--	--
H2SO4	<i>Acid</i>	+	++	--	--
HNO3	<i>Acid</i>	+	++	--	++
Phosphoric	<i>Acid</i>	+	++	--	--
Alkaline Salts	-	++	+	--	

Corrosion resistance :

++ very good
 + good
 0 neutral
 - poor
 -- very poor

AISI 302/304 is magnetic.
 AISI 316 is non magnetic.