

## Price List for HR Series (Special Purpose) Columns

Column	Inner Diameter (mm)	Length (m)	Price (yen)
HR-SS-10 220°C/230°C	0.25	25	69,000
		30	83,000
		50	127,000
	0.53	25	79,000
		30	91,000
		50	149,000
HR-Thermon-3000B 220°C/230°C	0.25	25	69,000
		30	83,000
		50	127,000
	0.32	25	77,000
		30	88,000
		50	143,000
	0.53	15	66,000
		30	108,000
	HR-Thermon-600T 240°C	0.25	25
30			82,000
50			126,000
HR-Thermon-HG 160°C	0.53	15	75,000
*HR-TGC1 360°C/390°C	0.25	30	59,000

\*Column tubing for this type consists of deactivated stainless steel.

Column	Inner Diameter (mm)	Price (yen)			
		15m	25m	30m	50m
HR-SS-10 220°C/230°C	0.25		69,000	83,000	127,000
	0.32		79,000	91,000	149,000
	0.25		69,000	83,000	127,000

<b>HR-Thermon-3000B</b> 220°C/230°C	0.32		<b>77,000</b>	<b>88,000</b>	<b>143,000</b>
	0.53	<b>66,000</b>		<b>108,000</b>	

\*Maximum operating temperatures

### ULBON HR-Thermon-600T

Column	Inner Diameter (mm)	Price (yen)		
		25 m	30 m	50 m
<b>HR-Thermon-600T</b> 240°C	0.25	<b>69,000</b>	<b>82,000</b>	<b>126,000</b>

### ULBON HR-Thermon-HG

Column	Inner Diameter (mm)	Length (m)	Price (yen)
<b>HR-Thermon-HG</b> 160°C	0.53	15	<b>75,000</b>

### ULBON HR-TGC1

Column	Inner Diameter (mm)	Length (m)	Price (yen)
<b>HR-TGC1</b> 360°C/390°C	0.25	30	<b>59,000</b>

### WCOT columns (0.25 mm I.D.)

Stationary Phase	Length (m)	Price (yen)	Applications

<b>Dexsil 300GC</b> 50 – 320°C	25	<b>69,000</b>	High boiling point compounds
	30	<b>77,000</b>	
	50	<b>126,000</b>	
<b>FFAP</b> 30 – 180°C	25	<b>69,000</b>	Short chain free fatty acids
	30	<b>77,000</b>	
	50	<b>126,000</b>	

### WCOT Capillary Columns According to Analytical Purpose

Stationary Phase	Inner Diameter (mm)	Length (m)	Price (yen)	Applications
<b>ALPhen</b> 160°C	0.20	50	<b>108,000</b>	Alkylphenols
	0.32	50	<b>132,000</b>	
<b>DMN 267</b> 160°C	0.20	50	<b>198,000</b>	Dimethylnaphthalenes (separation of 2,6-DMN and 2,7-DMN)
<b>PLC</b> 160°C	0.25	50	<b>180,000</b>	Separation of all isomers of dimethylnaphthalene
<b>Xylene Master</b> 160°C	0.32	50	<b>198,000</b>	Separation of isomers of xylene
<b>Advance-DS</b> 220°C	0.25	25	<b>69,000</b>	Fatty acid methyl esters
	0.25	30	<b>77,000</b>	
	0.25	50	<b>126,000</b>	

### ULBON ALPhen

Column	Inner Diameter (mm)	Length (m)	Price (Yen)
<b>ALPhen</b> 160 °C	0.20	50	<b>108,000</b>
	0.32	50	<b>132,000</b>

### ULBON DMN267

Column	Inner Diameter (mm)	Length (m)	Price (yen)
<b>DMN267</b> (160°C)	0.20	50	<b>198,000</b>

## ULBON PLC

Column	Inner Diameter (mm)	Length (m)	Price (yen)
<b>PLC</b>	0.25	50	<b>180,000</b>

## ULBON Xylene Master

Column	Inner Diameter (mm)	Length (m)	Price (yen)
<b>Xylene Master</b> 160°C	0.32	50	<b>198,000</b>

(Inner diameter: 0.25 mm, outer diameter: 1.0 mm)

Stationary Phase	Length (m)	Price (yen)	Applications
<b>SPX-1</b>  10-110°C	60	<b>107,800</b>	<i>m</i> -Xylene in <i>p</i> -xylene <b>Xylene isomer analyses</b>
	90	<b>140,800</b>	
<b>Squalane</b>  10-70°C	30	<b>85,800</b>	Hydrocarbons (Ligroin) <b>Short chain hydrocarbon analyses</b>
	60	<b>107,800</b>	
	90	<b>140,800</b>	
<b>Ucon LB-550X</b>  10-150°C	30	<b>85,800</b>	Hydrocarbons Short chain alcohols
	60	<b>107,800</b>	
	90	<b>140,800</b>	
<b>OV-101</b>	30	<b>85,800</b>	Hydrocarbons (Light oils)
	60	<b>107,800</b>	

10-270°C	90	<b>140,800</b>
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### **ULBON SPX-1 (SUS)**

<b>Column</b>	<b>Inner Diameter (mm)</b>	<b>Length (m)</b>	<b>Price (yen)</b>
<b>SPX-1 (SUS)</b> 110°C	0.25	60	<b>107,800</b>