

PRODUCT LITERATURE: INSTRUMENT MATERIALS 1/4



Kyeam Technologies Co., Ltd.

▪ INSTRUMENT MATERIALS: TUBES

Type	Material / Grade		Manufacturer
General Purpose	Stainless steel	A213 / A269	Sumitomo
		- 304/304L	Sandvik
		- 316/316L	Kuze
		- 316 Ti	Sumikin Stainless
		- 317/317L	Changwon
- 321/321H			
Semi-conduct Plant	Stainless steel	BA / 316L	Kuze
		EP / 316L	Sumikin Stainless
Steam Tracing	Stainless steel		
	Copper	B62	Poongsan
	Pre-insulated	Copper S/S	O'Brien

NOTE 1. DIN, JIS Standard materials available upon request



▪ INSTRUMENT MATERIALS: INSTRUMENT VALVES

Type	Material / Grade		Application
Compression Type & Design	Stainless steel	A479 / A182	Instrumentation, high pressure, high temperature
		Grade 316	
	Brass	B16 / B124 Alloy 360 / 377	Cryogenic service
	Alloy 400 (Monel)	Alloy 400 / 405	
Clean Fitting	Stainless steel	316/316L	Semi-conductor
		Single vac. melt 316L	
		Double vac. melt 316L	
HOPE Fitting	Stainless steel		Clean fitting
			Weld fitting
			Threaded fitting
Byte Type Design	S/S, Brass, C/S		Hydraulic
			Pneumatic
			Lubrication

NOTE 1. DIN, JIS Standard materials available upon request



PRODUCT LITERATURE: INSTRUMENT MATERIALS 2/4

▪ INSTRUMENT MATERIALS: REGULATORS

Manufacturer	Type	Product Group
Tescom	High pressure	BB-1 Series 44-1100 / 1800 Series 26-1000 / 2000 Series
	Low pressure	26-1500 Series: Non venting 26-1600 Series: Self venting 44-5200 Series: Economical, venting DA Series: Absolute pressure DV Series: Vacuum control
	Back pressure	26-1700 Series: Versatile 26-2300 Series: High accuracy 44-1700 / 2300 Series: Economical 44-4700 Series: Sub-atmospheric BB-3 Series: Miniature
Drastar	072 Series	Material: Brass, S/S 316L Temperature: -40 ~120 °C Standard flow capacity: Cv 0.06 Pressure range: 1~2.5, 1~50, 1~100, 2~250, 3~500 psig
	082 Series	High pressure Material: Brass, S/S 316L Temperature: -40 ~120 °C Standard flow capacity: Cv 0.06 Pressure range: 10~1000, 20~2000, 30~3000 psig
	092 Series	Material: S/S 316L Temperature: -40 ~120 °C Standard flow capacity: Cv 1.0 Pressure range: 1~2.5, 1~50, 1~100, 2~200 psig



PRODUCT LITERATURE: INSTRUMENT MATERIALS 3/4

▪ INSTRUMENT MATERIALS: GAUGE AND MFC

Item	Type	Manufacturer
Pressure Gauge	General service	WIKA
	Capsule type	WISE
	Electrical contact type	HISCO
	Low pressure type	ETC.
	Differential pressure type	
Temperature Gauge	Electrical	WIKA
	Mechanical	WISE
	Thermowell	HISCO
	Etc.	ETC.
Pressure Sensor	General service	WIKA
	High pressure type	WISE
	Vacuum type	HISCO
	Precision type	KELLER SENSYS
Temperature Sensor	Ktype	WIKA
	Rtype	WISE
	PT100Ω	HISCO
		ETC.



▪ INSTRUMENT MATERIALS: FLOWMETERS


Model	Service	Flow Range
VFA	Gas	0.06~100 LPM
	Water	6~200 cc/Min.
VFB	Gas	0.2~40 LPM
	Water	100~1000 cc/Min.
VFC	Gas	60~2800 LPM
	Water	2~75 LPM
RMA	Gas	5~2500 cc/Min.
	Water	5~300 cc/Min.
RMB	Gas	0.6~95 LPM
	Water	0.06~6.2 LPM
RMC	Gas	2.35~850 LPM
	Water	0.4~38 LPM







PRODUCT LITERATURE: INSTRUMENT MATERIALS 4/4

▪ INSTRUMENT MATERIALS: FLOWMETERS

Model Series	Service	Flow Range
EL-FLOW	Gas	0-1 mln/min up to 1250 ln/min air-eq.
IN-FLOW	Gas	0-10 mln/min up to 0-11000 m3n/h air-eq.
LOW-P-FLOW	Gas	0-10 mln/min up to 1000 m3n/h air-eq.
EX-FLOW	Gas	0-7,5 mln/min up to 0-11000 m3n/h air-eq.
COMBI-FLOW	Gas	0-10 mln/min up to 0-70 ln/min air-eq.
CORI-FLOW	Gas	0-200 g/h up to 0-600 kg/h
LIQUI-FLOW L1/L2	Liquid	0-5 g/h up to 0-1 kg/h water-eq.
LIQUI-FLOW L10/L20	Liquid	0-5 g/h up to 0-1 kg/h water-eq.
LIQUI-FLOW L30	Liquid	0-2 kg/h up to 0-20 kg/h water-eq.



▪ INSTRUMENT MATERIALS: SUPPORTS AND ETC.

Products	List	Brand Names
	Instrument impulse lines Analyzer sample lines Insulated tubing Coated tubing	TRACEPAK TPE TPL TPH S-LINE ACCESSORIES (Shrink boots, shrink entry seal, jacket patch)
	Analyzer tubing	FS : fused silica coating tubing EP : eletropolished tubing EPS : eletropolished and fused silica coated tubing
	Full enclosures Partial enclosures Sun shades	VIPAK FLEXPAK HEATPAK SUNSHADE ACCESSORIES (Brackets, windows, entry plates, mounting kits)
	Instrument supports	SADDLEPAK
	Electric heaters	T-Series, steam heaters
	Universal analyzers	Gas cooler Sample probe Filter Complete sample system Multipoint sequencer PII controller Package sample system