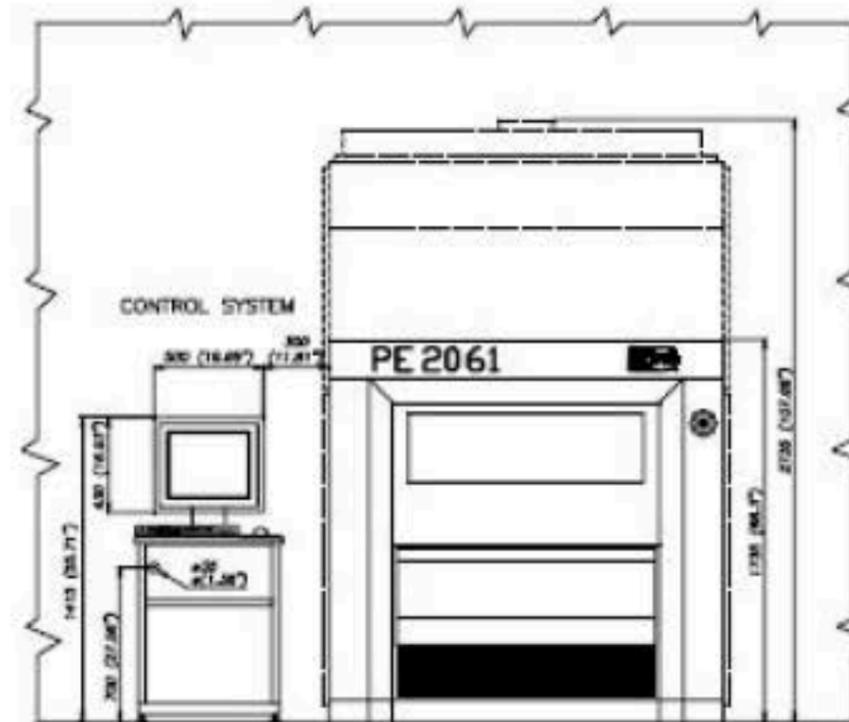
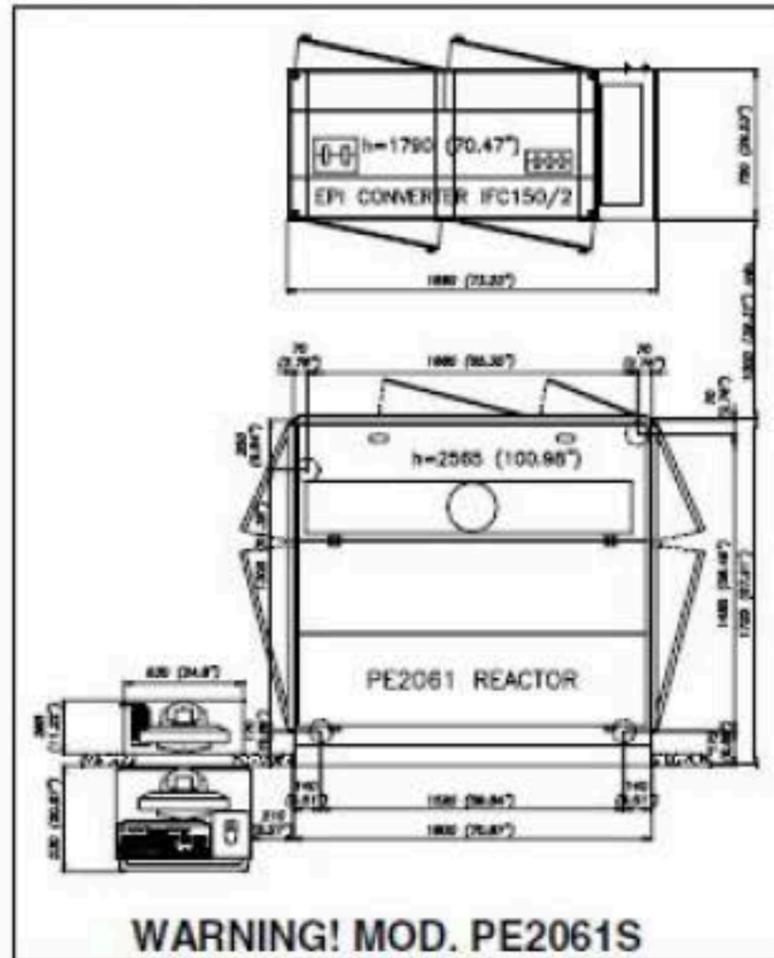


PE2061S



LOADING CAPACITY PER CHAMBER (16° bell-jar)	
30 wafers	100 mm (4")
24 wafers	125 mm (5")
14 wafers	150 mm (6")
5 wafers	200 mm (8")
ATMOSPHERIC AND LOW PRESSURE DEPOSITION CAPABILITY	

Machine parts:

- 1. Epireactor**
 Indicative dimensions: 1,800 x 1,725 x 2,735 mm
 (70,78" x 67,91" x 107,68")
 Approx. weight: 2,100 kg
- 2. Epiconverter**
 Indicative dimensions: 1,860 x 750 x 1,790 mm
 (73,23" x 29,53" x 70,47")
 Approx. weight: 1,100 kg.
- 3. Epi Control panels (with operator-machine interface)**
 CPU:
 Indicative dimensions: 176 x 435 x 402 mm
 (6,93" x 17,13" x 15,88")
 Approx. weight: 20 Kg
 MONITOR:
 Indicative dimensions: 454 x 262 x 461 mm
 (17,87" x 10,31" x 18,15")
 Approx. weight: 10 Kg
- 4. UPS for UE (230V)**
 Indicative dimensions: 192 x 450 x 380 mm
 (7,56" x 17,72" x 14,96")
 Approx. weight: 28 Kg
UPS for US (115V)
 Indicative dimensions: 196 x 546 x 432 mm
 (7,72" x 21,50" x 17,00")
 Approx. weight: 50 Kg
- 5. BUBBLER (cabinet)**
 Indicative dimensions: 300 x 300 x 1,500 mm
 (11,81" x 11,81" x 59,06")
 Approx. weight: up to 35 Kg (depending to model)

PE2061S

ONLY FOR PE2061S

POWER

Item	Volts	Tolerance	Freq.	Phase	Peak	Normal	KVA	Pow. conn.	Note
Epir. PE2061	400 V	± 5 %	50 Hz	3 ph + N	25 A	18 A	5.5	cable	
	480 V		60 Hz	3 ph	20 A	8 A			
UPS	230 V	± 5 %	50 Hz	1 ph + N	10 A	6 A	1.2	plug	
	115 V		60 Hz	1 ph + N	20 A	10 A			
Epir. PE2061	230 V	± 5 %	50 Hz	1 ph + N	10 A	3 A	0.7	cable	from UPS
	115 V		60 Hz	1 ph + N	13 A	8 A			
Epic. IFC 150/2	400 V	± 5 %	50 Hz	3 ph	320 A	190 A	130	cable	
	480 V		60 Hz	3 ph	260 A	160 A			

THERMAL OUTPUT

Item	In Water	In Exhaust	To Ambient	Other
Epi-reactor	80,000 Kcal/h avg.	5,000 Kcal/h avg.	5,000 Kcal/h avg.	
Epicconverter	8,000 Kcal/h avg.		1,000 Kcal/h avg.	

BULK & SPECIALTY GASES

Substance	Flow	Purity	Press. +/-	Fitting Size	Fitting Type	Fitting Material	Filter
H ₂	450 slm	> 6N	> 60 psi	1/2"	VCR female	AISI 316 L st. st.	none
N ₂	300 slm	> 6N	> 60 psi	1/2"	VCR female	AISI 316 L st. st.	none
HCl	70 slm	> 4N5	> 60 psi	1/4"	VCR female	AISI 316 L st. st.	none
O ₂	≤ 1 slm	> 6N	> 60 psi	1/4"	VCR female	AISI 316 L st. st.	none
TCS/TET mix	50 slm	> 3N	> 20 psi	1/2"	VCR female	AISI 316 L st. st.	none

EXHAUST REQUIREMENTS

Epi-reactor	Material/Size	Flow	Static Press.
Scrubber station A	st. st. 1 1/4"	350 slm	- 2 KPa
Scrubber station B	st. st. 1 1/4"	350 slm	- 2 KPa
Air exhaust	st. st /PVC dia. 250 mm	2,600 c.m./h	- 500 Pa

PROCESS COOLING WATER SOFTENED

Item	Flow	Inlet Temp.	Δ Temp. Outlet	Press. +/-	Press. Drop	Fitting Size	Fitting Type	filter
Epir. PE2061	200 ft./min	min 14/ max 24 °C	+ 7 °C	min 300/ max 600 KPa	250 KPa	1 1/2"	BSP fem. or NPT male	260 μ
Epic. IFC 150/2	40 ft./min	min 14/ max 24 °C	+ 7 °C	min 300/ max 600 KPa	250 KPa	3/4"	BSP fem. or NPT male	none