

# THYROLUXE SERIES RECTIFIERS

## THYROLUXE 401 / THYROLUXE 600

## THYROLUXE 1000 / THYROLUXE 1200



### APPLICATIONS

- These fully thyristor controlled, electronically regulated, transformer rectifier units are suitable for Manual Metal Arc welding (SAMW) process
- Ideally suitable for light, Medium and Heavy duty, all purpose industrial, structural welding applications both within shopfloor and at project sites
- These welding rectifiers can be also used for DC TIG welding applications by connecting suitable TIG control units (HF 2000 / 2000 AD / 3000 / 3000 AD)
- Higher current rating welding rectifiers like 600A/1000A/1200A can also be used for GOUGING applications by using suitable gouging torch

### SALIENT FEATURES

- Reliable and superior performance thyristorised welding Rectifier for projects, engineering fabrication, construction work and pipe welding
- Robust mechanical construction and good ventilated power components like transformer, IPT, choke etc with sufficient fan size - Ideal for site use
- Full wave full control thyristor bridge construction, Constant Current (CC) characteristics with stepless current control within +/-1% and immune to +10% & -15% voltage fluctuation
- High OCV for easy arc start/restart. Built-in booster circuit saves power consumption
- Excellent dynamic characteristic helps to deliver stable arc, good welding performance over the entire current range
- Welding rectifier protected against abnormal supply/service conditions like Single phase, Short circuit, Thermal overload, Under voltage and Over voltage conditions etc
- Built-in HOT start / Antistick and Self controlled arc force dynamics provided as standard feature
- Suitable for TIG welding by connecting external HF unit (available as optional supply with main rectifier unit)
- Provided with Remote control unit for easy adjustment/stepless current control of welding current



### BRIEF SPECIFICATIONS:

MODELS	UNIT	THYROLUXE 401	THYROLUXE 600	THYROLUXE 1000	THYROLUXE 1200
Supply voltage	Volt	415	415	415	415
Phase	NO.	3	3	3	3
Input KVA @ 100% Duty cycle	KVA	19.5	31.5	54	72
Open circuit voltage	Volt	100	100	100	100
Welding current range	Amp	10-400	20-600	100-1000	100-1200
Welding current @ 60% Duty cycle	Amp	400	600	850	1200
Welding current @ 100% Duty cycle	Amp	310	465	650	930
Class of insulation	Class	H	H	H	H
Dimensions (LxWxH)	mm	835x435x820	980x550x960	1230x770x1080	1200x770x1175
Weight (approx.)	Kg	147	216	403	450



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**ADOR WELDING LIMITED**

(Formerly Known as Advani-Oerlikon Ltd.)

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