



VALVE KIT

- ▶ Reputed make valves
- ▶ Highly Reliable and Longer Life
- ▶ Oxygen Lines are Fully Stainless-Steel/Copper material
- ► High Surface area Silencing Medium to meet the low noise level
- Easily serviceable due to low installation height

PLC BASED DISPLAY

- > 7" HMI display
- > Oxygen Purity in %
- Down Pressure in bar g
- ▶ Usage trend per day basis in graphical display
- ▶ Usage trend per 30 days basis in graphical display
- ▶ Plant or secondary source online status
- ▶ Running Hours
- ▶ Alarms
- > Automatic changeover options if alarms comes

Model	Oxygen Flow		Equv. Cylinder capacity	Air Compressor requirements		Requirements	
	lpm	cu.m/hr	Nos./day	kw	cfm	Room size in feet LXBXH	Power backup in KVA
MO 2	33	2	6	4	19	12 x 12 x 10	7.5
мо з	50	3	10	5.5	28	17 x 16 x 15	10
MO 5	90	5.4	18	7.5	40	17 x 17 x 15	15
MO 9	150	9	30	11	72	19 x 17 x 15	20
MO 12	200	12	40	15	92	20 x 17 x 15	25
MO 14	240	14.4	50	18	120	22 x 17 x16	35
MO 16	280	16.8	60	22	136	22 x 17 x16	40
MO 24	400	24	85	30	194	26 x 18 x 16	50
MO 30	500	30	100	37	255	26 x 18 x 16	60
MO 34	580	34.8	125	45	290	28 x 18 x 16	75
MO 42	700	42	150	55	390	28 x 20 x 16	100
MO 58	980	58.8	220	75	515	32 x 22 x 16	125

^{*}For Higher capacity kindly reach to us through E-mail or Phone



JCS AIR PRODUCTS

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- > On Site Oxygen Production
- > No Explosion Risk
- > Consistent Purity of 93±3% and pressure of >60 psi g
- > Highly Reliable
- ▶ Less Operational Cost and faster payback
- ▶ Meets 70 to 80% of Oxygen Demand in Hospital
- > Automated Failsafe System



VENTILATOR

ABOUT JCS OXYGEN GENERATOR

JCS Oxygen Generators are designed with maximum durability to deliver Oxygen supply around the clock with desired pressure and purity as per several international and national standards like as US Pharmacopeia, European Pharmacopeia Indian Pharmacopeia and Indian Health Ministry

TYPICAL ON SITE OXYGEN GENERATOR SYSTEM PROCESS FLOW



Air Compressor

- Reputed make reliable compressor
- ➤ Oil lubricated screw compressor
- ▶ Less maintenance
- ▶ Small in size
- ▶ Highly Efficient

HIGH EFFICIENT COALESCING FILTER

- > As per ISO 8573
- ➤ Borosilicate type
- filter media ▶ Pre filter 5 micron

AIR DRYER

- > Air quality as per ISO 8573 class 4
- ▶ Efficient heat exchanger
- ▶ Reputed make dryers
- ➤ Eco-friendly gases used

AIR TANK

- ▶ Code of Construction
- As per IS 2825
- ➤ Anti-Corrosive coated Internal surface
- ➤ External surface painting with sand blast surface preparation
- ▶ Leg mounting Option
- ▶ Horizontal / vertical mounting

- > Oxygen Purity: 93±3%
- > Oxygen pressure: >4.2 bar g
- ➤ Controller : PLC Based and 7" HMI
- ▶ Power Supply: 230 VAC 50 Hz 1ph
- > Online Oxygen Purity and Pressure Display
- > Inlet Air Filter 1 micron
- > Inlet Air Oil filter 0.003mg/cu.m

PSA BASED OXYGEN PLANT OXYGEN TANK

- Internal surface

- ➤ Code of Construction As per IS 2825
- > Anti-Corrosive coated
- ➤ Noise level : <80 dB A at 1 m distance ➤ External surface painting with sand blast surface preparation
 - ▶ Leg mounting Option
 - ➤ Horizontal / vertical mounting

ABOUT PSA BASED OXYGEN GENERATING SYSTEM

The atmospheric air is sucked and delivered at high pressure by air compressor to air dryer. Air dryer removes moisture and multistage filters are used to remove liquid moisture, oil and fine particles. The oil and moisture free air is fed into sieve bed where zeolite sieves are filled. The sieves specifically adsorbs nitrogen and allow oxygen molecules to pass through which enriches the oxygen concentration at the outlet. Oxygen enriched air is fed to hospital at desired pressure and purity.





Micron rating: 0.01 SYSTEM

APPLICATIONS



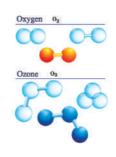
Hospitals



Veterinary



Aquaculture



Ozone Generators



Glass Blowing