

MEDICAL OXYGEN GENERATING PLANTS M-DGS1



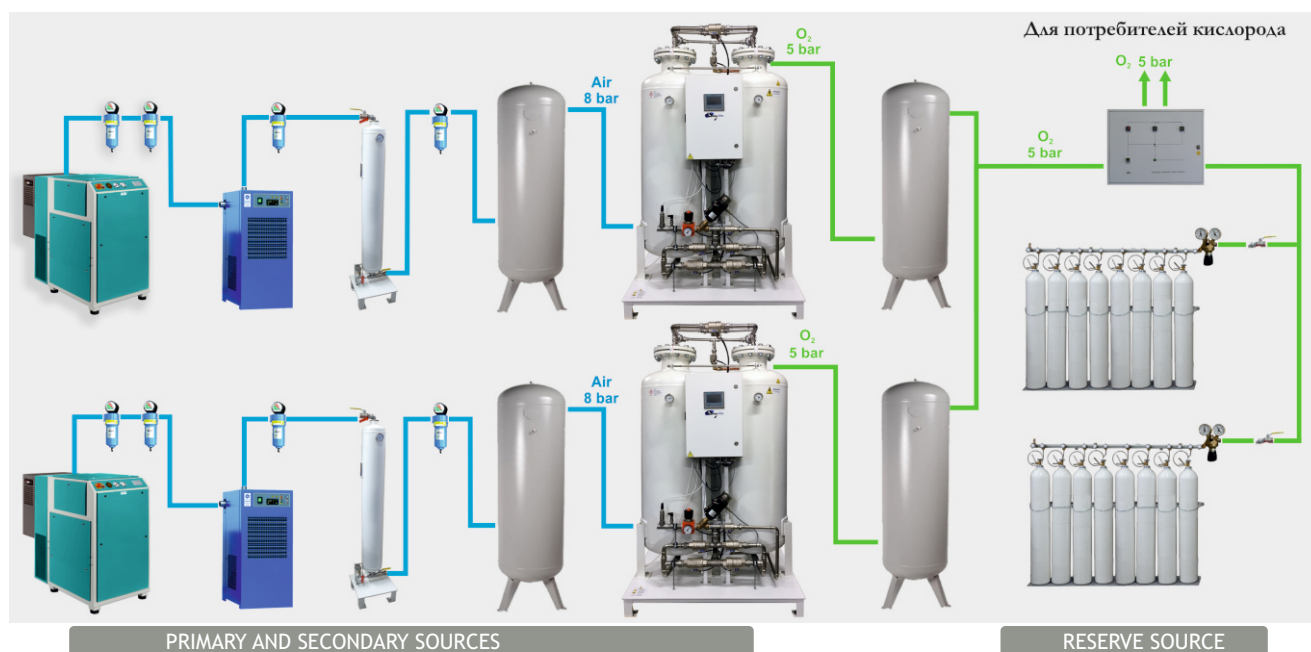
According to standard ISO 7396-1:2016

AVAILABLE MODELS OF MEDICAL OXYGEN GENERATING PLANTS M-DGS1

Model	Capacity l/min, O ₂ 93%	Compressor	Air dryer +3°C, l/min	O ₂ pressure, bar	Efficiency 1m ³ O ₂ =kWh	Receiver, l		Quantity of cylinders (50 l)	Nominal power consumption, kW
						Air	O ₂		
M-DGS1/40	40	550	900	4,5 - 5,3	1,52	270	150	2 x 2	6,0
M-DGS1/68	68	960	1500	4,5 - 5,3	1,52	500	200	2 x 3	9,0
M-DGS1/96	96	1350	2000	4,5 - 5,3	1,50	500	200	2 x 4	13,0
M-DGS1/132	132	1850	2800	4,5 - 5,3	1,50	725	270	2 x 6	19,0
M-DGS1/158	158	2200	3400	4,5 - 5,3	1,50	725	500	2 x 8	21,0
M-DGS1/226	226	3200	4960	4,5 - 5,3	1,48	1000	725	2 x 10	25,0
M-DGS1/290	290	4100	6400	4,5 - 5,3	1,48	1500	725	2 x (6+6)	34,0
M-DGS1/363	363	5100	7800	4,5 - 5,3	1,45	2000	900	2 x (8+8)	38,0
M-DGS1/408	408	5800	8900	4,5 - 5,3	1,45	2000	1000	2 x (9+9)	44,0
M-DGS1/500	500	7000	11000	4,5 - 5,3	1,45	3000	1500	2 x (10+10)	52,0

- Continuous oxygen supply in medical institutions in case of electricity shortage or equipment breakdown
- Significant oxygen costs reduction in hospitals
- As a part of the station, an oxygen compressor can be supplied to refuel backup ramp cylinders
- Medical Oxygen Generating Plants meet the requirements of the international standard
- **ISO 7396-1:2016** and other normative documents

MEDICAL OXYGEN GENERATING PLANTS M-DGS2



Available models of Medical Oxygen Generating Plants M-DGS2

Model	Capacity l/min, O ₂ 93%	Compressor l/min (8 bar)	Air dryer +3°C l/min	O ₂ pressure, bar	Efficiency 1m ³ O ₂ =kWh	Receiver, l		Quantity of cylinders (50 l)
						Air	O ₂	
M-DGS2/40	2 x 40	2 x 550	2 x 900	4,5 - 5,3	1,52	2 x 270	2 x 150	3
M-DGS2/68	2 x 68	2 x 960	2 x 1500	4,5 - 5,3	1,52	2 x 500	2 x 200	5
M-DGS2/96	2 x 96	2 x 1350	2 x 2000	4,5 - 5,3	1,50	2 x 500	2 x 200	8
M-DGS2/132	2 x 132	2 x 1850	2 x 2800	4,5 - 5,3	1,50	2 x 725	2 x 270	10
M-DGS2/158	2 x 158	2 x 2200	2 x 3400	4,5 - 5,3	1,50	2 x 725	2 x 500	6 + 6
M-DGS2/226	2 x 226	2 x 3200	2 x 4960	4,5 - 5,3	1,48	2 x 1000	2 x 725	8 + 8
M-DGS2/290	2 x 290	2 x 4100	2 x 6400	4,5 - 5,3	1,48	2 x 1500	2 x 725	10 +10
M-DGS2/363	2 x 363	2 x 5100	2 x 7800	4,5 - 5,3	1,45	2 x 2000	2 x 900	2 (6+6)
M-DGS2/408	2 x 408	2 x 5800	2 x 8900	4,5 - 5,3	1,45	2 x 2000	2 x 1000	2 (8+8)
M-DGS2/500	2 x 500	2 x 7000	2 x 11000	4,5 - 5,3	1,45	2 x 3000	2 x 1500	2 (10+10)
M-DGS2/636	2 x 636	2 x 8900	2 x 13000	4,5 - 5,3	1,40	2 x 3000	2 x 1500	3 (8+8)
M-DGS2/818	2 x 818	2 x 11500	2 x 17000	4,5 - 5,3	1,40	2 x 4000	2 x 2000	3 (10+10)
M-DGS2/1000	2 x 1000	2 x 14000	2 x 22000	4,5 - 5,3	1,40	2 x 5000	2 x 3000	4 (8+8)
M-DGS2/1235	2 x 1235	2 x 17300	2 x 26300	4,5 - 5,3	1,40	4 x 3000	2 x 3000	4 (10+10)

- Continuous oxygen supply in medical institutions in case of electricity shortage or equipment breakdown
- Significant oxygen costs reduction in hospitals
- 14 different station models for the production of oxygen with a capacity from 40 to 1235 l / min.
- Medical Oxygen Generating Plants meet the requirements of the international standard **ISO 7396-1:2016** and other normative documents.

MODULAR MEDICAL OXYGEN GENERATING PLANT M-DGS1/K

AN EFFECTIVE SOLUTION FOR RENOVATING OR CHANGING THE PROFILE OF A MEDICAL INSTITUTION

ADVANTAGES OF THE CONTAINER STATION:

- Low cost of generated oxygen;
- No additional space required to accommodate the station;
- Minimum land area required at the treatment building;
- The station comes from the factory fully assembled and tested;



Models of a medical oxygen generation station M-DGS/K

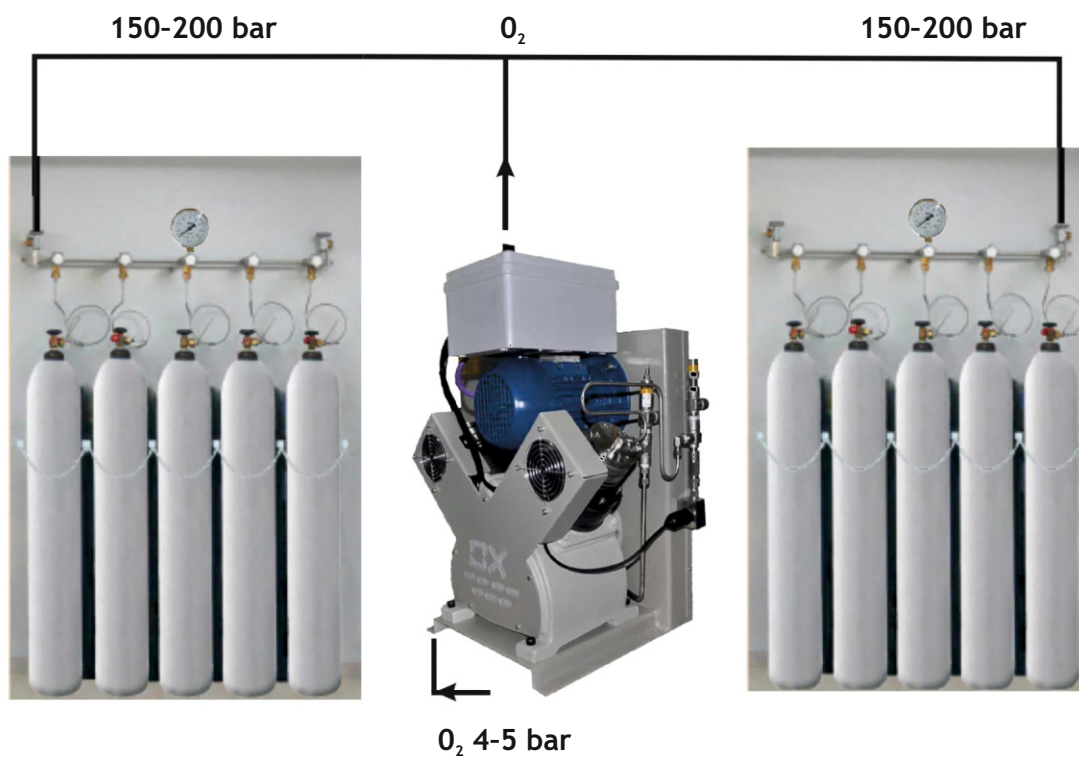
Model	Capacity l/min at concentration 93% O ₂ l/min	Concentration O ₂ %	O ₂ pressure bar	Working Temperature °C	Rated power consumption kW	Number of cylinders in reserve manifold pcs.	Total weight Kg.
M-DGS1K/132	132	93±2%	5,0+1	-30°C + 40°C	20,0	14,0	4800
M-DGS1K/178	178	93±2%	5,0+1	-30°C + 40°C	24,0	14,0	5200
M-DGS1K/226	226	93±2%	5,0+1	-30°C + 40°C	29,0	20,0	5700
M-DGS1K/290	290	93±2%	5,0+1	-30°C + 40°C	34,0	20,0	6260

- Continuous medical oxygen supply in hospitals;
- Significant reduction in oxygen costs in hospitals;
- Container stations for the production of medical oxygen comply with the requirements of the international standard **ISO 7396-1: 2016** and other regulatory documents;

OXYGEN CYLINDER FILLING STATION M-DPS

Oxygen cylinder filling stations are used for filling cylinders from existing medical oxygen sources of pressure 4-5 bar in medical institutions. This is a convenient way to provide small hospitals with medical cylinder oxygen and to fill small ambulance oxygen balloons.

The station consists of a high-pressure oxygen compressor of various capacities and manifolds for connecting cylinders with instrumentation



Code	Model	O ₂ pressure at the compressor intel, bar	O ₂ flow at the compressor intel, bar	The number of refilled cylinders (50 liters) day	Number of rcollectors and connected cylinders	O ₂ pressure of the cylinders to be filled bar
77021	M-DPS21	4 - 5	60	9	2 x 5	150
77022	M-DPS22	4 - 5	80	15	2 x 8	150
77023	M-DPS23	4 - 5	200	35	3 x 10	150
77024	M-DPS24	4 - 5	360	67	4 x 10	150

Main characteristics of the M-DPS oxygen cylinder filling station