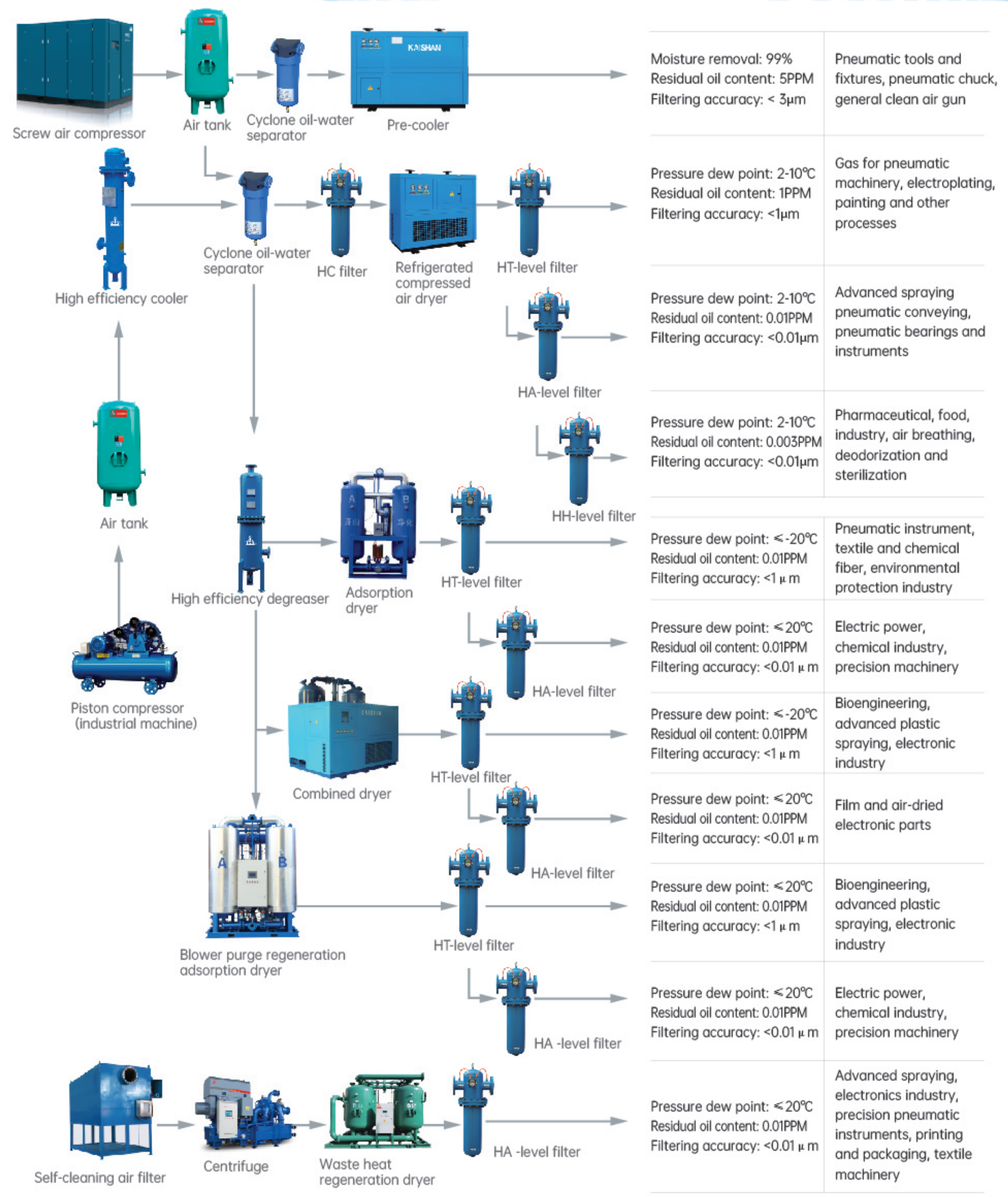


# Configuration of Compressed Air Drying and Purification System



# KAISHAN

## Air Compressor Post-treatment Equipment

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Note: The data and technical parameters in the sample are subject to change without prior notice. Please contact Kaishan Purify Equipment in time and subject to the final data confirmed by Kaishan Purify Equipment.  
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Zhejiang Kaishan Purify Equipment Co.,Ltd.



# KAISHAN PURIFY EQUIPMENT

Zhejiang Kaishan Purify Equipment Co., Ltd., a wholly-owned subsidiary of Zhejiang Kaishan Compressor Co., Ltd., is dedicated to developing compressed air purification and energy-saving equipment based on the strong manufacturing base of Kaishan Group and its worldwide distribution network.

Zhejiang Kaishan Purify Equipment Co., Ltd. is specialized in R&D and manufacturing oxygen generator, nitrogen generator, refrigerated compressed air dryer, adsorption dryer, combined air dryer, filter, compressed air precooling unit, oil-water separator, high-efficiency degreaser, high-efficiency air cooler, self-cleaning air filter and compressed heat regeneration adsorption dryer. According to the needs of customers, we can provide air-cooled, water-cooled, high-temperature, instrument, single-chip microcomputer, programmable, variable frequency, high pressure, explosion-proof, environmental protection and other forms and characteristics of air compressor post-treatment equipment. The products are widely used in electric power, electronics, metallurgy, machinery, automobile manufacturing, petroleum, chemical industry, textile, chemical fiber, papermaking, rubber, instrument, food, air separation, cigarette, medicine, biology, daily chemical and other industries. Besides, our products are sold all over the country, as well as to the United States, Canada, Russia, Mexico, East Asia, the Middle East, Australia and Africa.

With first-class international advanced production equipment, strong design, development and production capacity, perfect quality assurance system, we have been constantly accumulating and summarizing our life experience and absorbing advanced technology from home and abroad in the air compression industry to ensure the high performance and reliability of the products.

Kaishan Purify Equipment will wholeheartedly provide the best service to our customers with our high quality products, highest efficiency and sincere attitude.



## Air-cooled Compressed Air Dryer

Working Condition and Technical Data	
Inlet temperature	Normal temperature type $\leq 45^{\circ}\text{C}$ and high temperature type $\leq 80^{\circ}\text{C}$
Cooling method	Air cooling
Ambient temperature	$\leq 38^{\circ}\text{C}$
Pressure dew point	2-10 $^{\circ}\text{C}$
Inlet pressure	0.6-1.0MPa
Pressure loss	$\leq 5\%$ of working pressure

Note: Air-cooled compressed air dryers with a volume of 60 cubic meters or more are skid-mounted units without box plates, and other special standards are available on request.

Parameters of Air-cooled Compressed Air Dryer at Normal Temperature

Item Model	Air handling capacity (Nm <sup>3</sup> /min)	Voltage (V)	Cooling power (HP)	Fan power (W)	Diameter of air nozzle (Rp1")	Net weight (KG)	Length (mm)	Width (mm)	High (mm)	Air volume (Nm <sup>3</sup> /h)
KSAD-2SF	2.5	220	0.75	1x55	Rp1"	110	650	430	700	965
KSAD-3SF	3.6	220	1	1x150	Rp1"	130	850	450	700	3110
KSAD-4.5SF	5	220	1.5	1x250	Rp1 1/2"	150	1000	490	730	5180
KSAD-6SF	6.8	220	2	1x250	Rp1 1/2"	160	1050	550	770	6220
KSAD-8SF	8.5	220	2.5	2x190	Rp2"	200	1200	530	946	8470
KSAD-12SF	12.8	380	3	2x190	Rp2"	250	1370	530	946	8470
KSAD-15SF	16	380	3.5	2x190	DN65	320	1500	780	1526	8470
KSAD-20SF	22	380	4.2	2x190	DN65	420	1540	790	1666	8470
KSAD-25SF	26.8	380	5.3	2x250	DN80	550	1610	860	1610	10560
KSAD-30SF	32	380	6.7	2x250	DN80	650	1610	920	1872	10560
KSAD-40SF	43.5	380	8.3	3x250	DN100	750	2160	960	1863	15840
KSAD-50SF	53	380	10	3x250	DN100	830	2240	960	1863	15840
KSAD-60SF	67	380	13.3	3x410	DN125	1020	2360	1060	1930	21900
KSAD-70SF	78	380	16.6	4x410	DN125	1160	1940	1550	1980	29200
KSAD-80SF	90	380	20	4x640	DN125	1300	2040	1490	1930	38000
KSAD-100SF	110	380	25	6x410	DN150	1600	2400	1900	2019	43800
KSAD-120SF	130	380	30	6x640	DN150	2000	2600	1750	2185	57000

Note: The technical standard of pressure for the above parameters is 0.7Mpa. If the working pressure is less than 0.6Mpa or more than 1Mpa, please ask Kaishan Purify Equipment for product technical data.



Parameters of Air-cooled Compressed Air Dryer at High Temperature

Item Model	Air handling capacity (Nm <sup>3</sup> /min)	Voltage (V)	Cooling power (HP)	Fan power (W)	Diameter of air nozzle (Rp1")	Net weight (KG)	Length (mm)	Width (mm)	High (mm)	Air volume (Nm <sup>3</sup> /h)
KSAD-2HF	2.5	220	0.75	2x55	Rp1"	140	845	570	780	1930
KSAD-3HF	3.6	220	1	2x150	Rp1"	160	1020	600	790	6220
KSAD-4.5HF	5	220	1.5	4x90	Rp1 1/2"	180	1000	500	990	7560
KSAD-6HF	6.8	220	2	4x150	Rp1 1/2"	210	1100	500	1000	12400
KSAD-8HF	8.5	220	2.5	4x190	Rp2"	250	1200	640	1250	16940
KSAD-12HF	12.8	380	3	4x190	Rp2"	270	1330	650	1250	16940
KSAD-15HF	16	380	3.5	4x190	DN65	360	1635	880	1540	16940
KSAD-20HF	22	380	4.2	4x190	DN65	460	1640	890	1610	16940
KSAD-25HF	26.8	380	5.3	4x250	DN80	600	1860	990	1668	21120
KSAD-30HF	32	380	6.7	4x250	DN80	720	1810	1310	1728	21120
KSAD-40HF	43.5	380	8.3	6x250	DN100	870	2360	1410	2100	31680
KSAD-50HF	53	380	10	6x250	DN100	970	2360	1460	2000	31680
KSAD-60HF	67	380	13.3	7x410	DN125	1200	2460	1560	2160	51100
KSAD-70HF	78	380	16.6	8x410	DN125	1200	2460	1560	2160	58400
KSAD-80HF	90	380	20	8x640	DN125	1460	2540	1640	2200	76000
KSAD-100HF	110	380	25	12x525	DN150	1850	2900	2100	2300	100800
KSAD-120HF	130	380	30	12x525	DN150	2400	3000	2500	2308	100800

## Water-cooled Compressed Air Dryer



Parameters of Water-cooled Compressed Air Dryer at Normal Temperature

Item Model	Air handling capacity (Nm <sup>3</sup> /min)	Voltage (V)	Cooling power (HP)	Cooling water circulation (Nm <sup>3</sup> /h)	Diameter of air nozzle (Rp1 1/2")	Diameter of cooling water pipe (Rp3/4")	Net weight (KG)	Length (mm)	Width (mm)	High (mm)
KSAD-6SW	6.8	220	2	1.2	Rp1 1/2"	Rp3/4"	155	1200	470	700
KSAD-8SW	8.5	220	2.5	1.6	Rp2"	Rp1"	195	1050	570	1100
KSAD-12SW	12.8	380	3	1.8	Rp2"	Rp1"	240	1050	580	1100
KSAD-15SW	16	380	3.5	3	DN65	Rp1"	300	1420	760	1276
KSAD-20SW	22	380	4.2	3.6	DN65	Rp1 1/2"	410	1460	760	1456
KSAD-25SW	26.8	380	5.3	4.6	DN80	Rp1 1/2"	530	1580	860	1430
KSAD-30SW	32	380	6.7	5.6	DN80	Rp1 1/2"	640	1530	920	1572
KSAD-40SW	43.5	380	8.3	7.2	DN100	Rp1 1/2"	720	1960	940	1603
KSAD-50SW	53	380	10	9.2	DN100	Rp1 1/2"	880	2240	960	1603
KSAD-60SW	67	380	13.3	10.8	DN125	Rp1 1/2"	1000	2090	980	1810
KSAD-70SW	78	380	15.4	11.5	DN125	Rp1 1/2"	1420	2000	1200	1980
KSAD-80SW	90	380	20	12.4	DN125	Rp2"	1650	2100	1200	2030
KSAD-100SW	110	380	25	14.6	DN150	Rp2"	2430	2360	1180	2020
KSAD-120SW	130	380	30	16.2	DN150	Rp2 1/2"	2500	2560	1210	2190
KSAD-150SW	160	380	40	18.6	DN200	Rp2 1/2"	2800	2960	1460	2313
KSAD-200SW	210	380	50	24.4	DN200	Rp2 1/2"	3500	3310	1510	2470
KSAD-250SW	260	380	65	30.5	DN250	Rp3"	3700	3660	2100	2714
KSAD-300SW	315	380	75	36	DN250	Rp3"	4000	3500	2000	2995
KSAD-350SW	350	380	90	43	DN300	Rp3"	3950	4060	2160	3009
KSAD-400SW	400	380	100	50	DN300	DN100	4200	4260	2160	3009
KSAD-450SW	450	380	110	57	DN350	DN100	4500	4600	2000	3059
KSAD-500SW	500	380	125	62	DN350	DN100	4700	4900	2000	3059
KSAD-550SW	550	380	130	68.5	DN400	DN125	5000	4900	2160	3209
KSAD-600SW	600	380	140	75	DN400	DN125	5300	4900	2260	3309

Note: The technical standard of pressure for the above parameters is 0.7Mpa. If the working pressure is less than 0.6Mpa or more than 1Mpa, please ask Kaishan Purify Equipment for product technical data.

Working Condition and Technical Data	
Inlet temperature	Normal temperature type $\leq 45^{\circ}\text{C}$ and high temperature type $\leq 80^{\circ}\text{C}$
Cooling method	Water cooling
Pressure dew point	2-10 $^{\circ}\text{C}$
Inlet pressure	0.6-1.0MPa
Pressure loss	$\leq 5\%$ of working pressure
Inlet temperature of cooling water	$\leq 32^{\circ}\text{C}$
Inlet pressure of cooling water	0.2-0.4MPa
Cooling water	Industrial circulating water

Note: Water-cooled compressed air dryers with a volume of 200 cubic meters or more are shell-mounted units without box plates, and other special standards are available on request.

Parameters of Water-cooled Compressed Air Dryer at High Temperature

Item Model	Air handling capacity (Nm <sup>3</sup> /min)	Voltage (V)	Cooling power (HP)	Cooling water circulation (Nm <sup>3</sup> /h)	Diameter of air nozzle (Rp1")	Diameter of cooling water pipe (Rp1")	Net weight (KG)	Length (mm)	Width (mm)	High (mm)
KSAD-15HW	16	380	3.5	3	DN65	Rp1"	350	1630	910	1320
KSAD-20HW	22	380	4.2	3.6	DN65	Rp1 1/2"	480	1660	960	1406
KSAD-25HW	26.8	380	5.3	4.6	DN80	Rp1 1/2"	620	1860	960	1406
KSAD-30HW	32	380	6.7	5.6	DN80	Rp1 1/2"	720	1540	1270	1512
KSAD-40HW	43.5	380	8.3	7.2	DN100	Rp1 1/2"	870	1960	1325	1603
KSAD-50HW	53	380	10	9.2	DN100	Rp1 1/2"	1100	2240	1430	1692
KSAD-60HW	67	380	13.3	10.8	DN125	Rp1 1/2"	1400	2090	1460	1810
KSAD-80HW	90	380	20	12.4	DN125	Rp2"	1950	2100	1740	2029
KSAD-100HW	110	380	25	14.6	DN150	Rp2"	2600	2460	1780	2029
KSAD-120HW	130	380	30	16.2	DN150	Rp2 1/2"	2900	2560	2370	2216
KSAD-150HW	160	380	40	18.6	DN200	Rp2 1/2"	3200	2960	2370	2470
KSAD-200HW	210	380	50	24.4	DN200	Rp2 1/2"	3700	3310	2210	2470
KSAD-250HW	260	380	65	30.5	DN250	Rp3"	3880	3660	2600	2714
KSAD-300HW	315	380	75	36	DN250	Rp3"	4300	3760	2410	2560
KSAD-350HW	350	380	90	43	DN300	Rp3"	4200	4060	2660	3009
KSAD-400HW	400	380	100	50	DN300	DN100	4370	4260	2660	3009
KSAD-450HW	450	380	110	57	DN350	DN100	4700	4600	2800	3059
KSAD-500HW	500	380	125	62	DN350	DN100	4900	4900	2800	3059
KSAD-550HW	550	380	130	68.5	DN400	DN125	5300	4900	2970	3209
KSAD-600HW	600	380	140	75	DN400	DN125	5500	4900	3070	3309