

Compressed Air Solutions with Outstanding Value

QCFS/QCPM 7.5 - 45 KW OIL-INJECTED SCREW COMPRESSORS

MASTER Q

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User Benefits

Reliability

-Reliable components
-Quiet and trouble-free operation
-Independent cooling fan
-Asymmetric profile rotors



Uncompromised Quality

-ISO9001·ISO 14001 quality assurance
-OHSAS 18001 quality assurance
-World renowned screw element
-Industry proven electric motor
-Vertical separator tank

Simplicity

-Base mounted design
-Simple controller
-Belt drive
-Offers a simple plug-and-play solution
-Easy installation
-No special foundation needed



Easy Serviceability

-Easy access from front side
-Vertical cooler for easy cleaning
-Service and cleaning is a one person job

Safety

-Emergency stop
-General alarm
-Fault shut down & alarm function
-Reverse rotation protection
-Maintenance alarm
-Motor overload protection



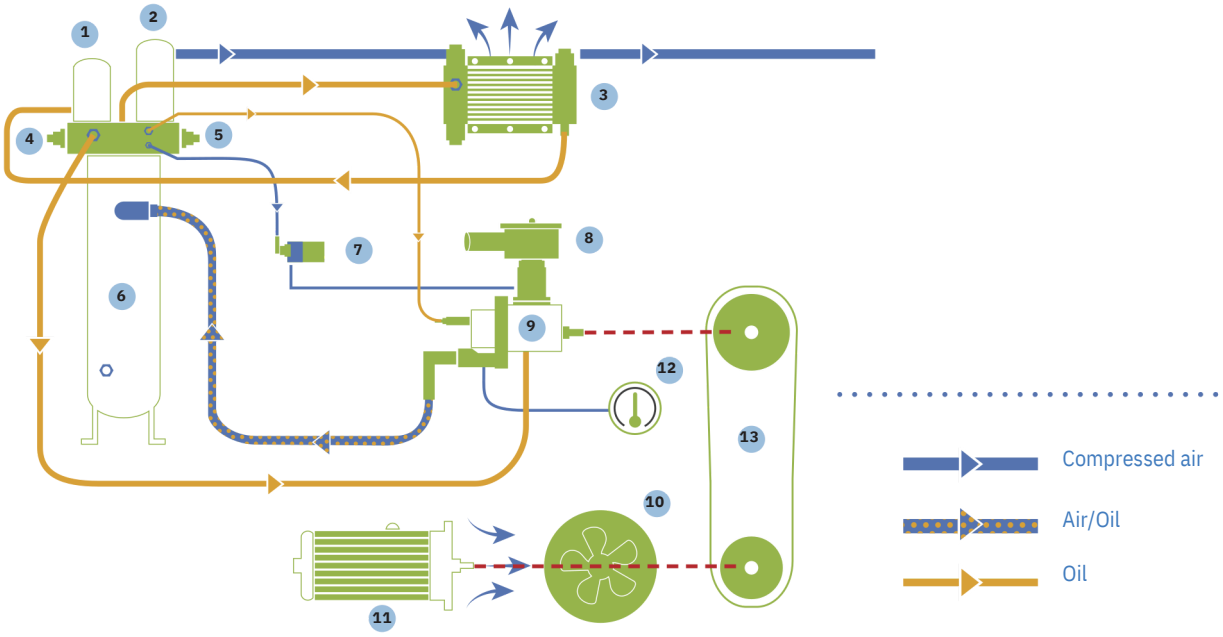
Oil injected screw compressors plant



Oil injected screw compressors plant

Optimised Operating Flow

The flow diagram below illustrates the operating process which makes the MSS range into a compact and efficient compressor.



Components

1. Oil filter
2. Air-oil separator
3. Oil-air cooler
4. Thermostatic valve
5. Safety valve
6. Oil vessel
7. Air suction solenoid valve
8. Air suction filter
9. Screw compressor
10. Independent fan
11. Electric motor
12. Temperature probe/thermostat
13. Transmission unit

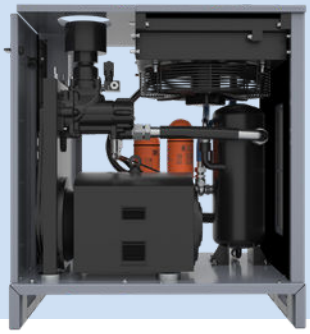


Spare parts distribution center



Oil and water injected screw compressors plant

Smart Technical Advantages



Asymmetric profile rotors mounted on high quality ball and roller bearings High degree of sealing and the fine tolerances guarantees

-Greater yield
-High efficiency
-Long life & reliability
-Lasting performance

Simple user friendly controller with outstanding functions

-Colorcoded on/off buttons
-LCD display
-Service warnings
-Fault indication & re-set function
-Reverse rotation protection





Horizontal design brings high efficiency internally cooling



Fast service pre-filtration

-Smart slot design makes for a quick service
-Easy clean with washing or air blowing

Compressors have an in-house designed belt drive system that offers

-Easy maintenance
-Simple installation
-User-friendly low noise operation
-The standard in the industry



Technical Data

Model	Working pressure	Motor power		Capacity			Noise level	Weight	Connection	Dimensions
	Mpa	HP	kW	l/s	CFM	m^3/min	dB(A)	KG	R	L x W x H (mm)
QC10FS	0.8	10	7.5	18	37	1.05	66	167	G1/2"	650 x 650 x 890
	1.0			14	30	0.85				
QC15FS	0.8	15	11	27	58	1.6	72	230	G3/4"	850 x 650 x 930
	1.0			23	48	1.4				
QC20FS	0.8	20	15	33	70	2.0	73	230	G3/4"	850 x 650 x 930
	1.0			31	65	1.8				
QC30FS	0.8	30	22	55	117	3.3	72	345	G1"	710 x 840 x 1275
	1.0			46	98	2.8				
QC50FS	0.7	50	37	97	132	5.8	79	584	G1.5"	860 x 850 x 1345
	0.8			95	204	5.7				
	1.0			83	176	5.2				

Power supply: 400V. Please contact local sales team if any inquiry

Unit performance measured according to ISO1217. Annex C. latest edition and ISO 2151

PM Product Features

Innovative Technology Advantages

1 Drivetrain system

-Innovation technology air cooled permanent magnet motor
-1:1 directly drive to the airend design, enhances minimum transmission chemical loss
-IE4 and IE5 motor contribute to reduce energy consumption

2 Cooling system

-Designed for operation at ambient temperature maximum 46°C
-Large aluminium material cooling capacity
-Professional exhausting flow brings high cooling efficiency

3 Inverter

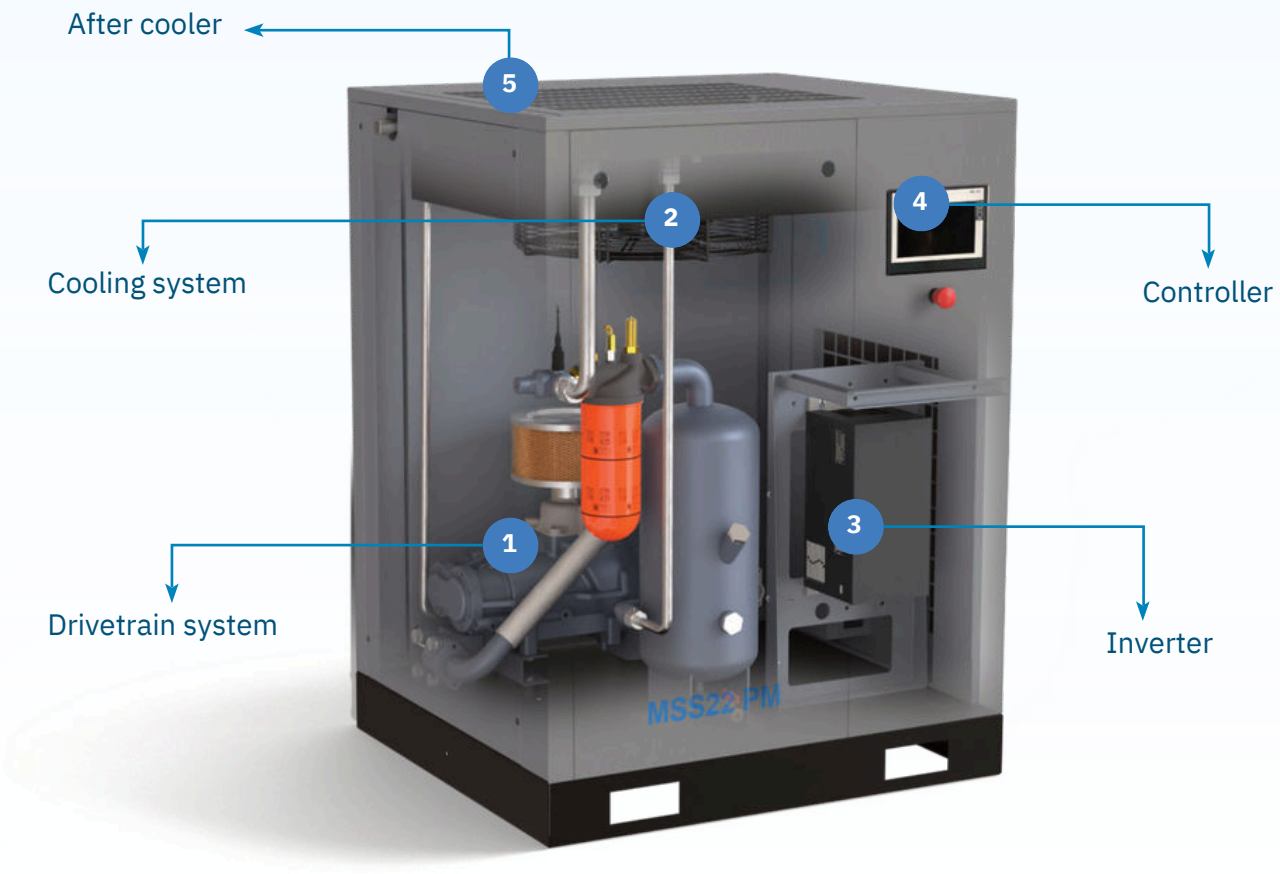
-Strict selection based on the verification from market industry applications
-Smart inverter detects the compressor air needs in real time
-Quick respondence to the regulation system for a perfect match every working peak

4 Controller

-7 inch color display screen
-Touch control
-Simply and easy operation
-Friendly human interaction

5 After cooler

-Considerable aftercooler in standard to limit the moisture content in compressed air
-Protects piping system and end side equipments from rusty and possible failure caused by condensation





Technical Data

Model	Working pressure	Motor power		Capacity			Noise level	Weight	Connection	Dimensions
	Mpa	HP	kW	l/s	CFM	m^3/min	dB(A)	KG	R	L x W x H (mm)
QC10PM	0.7	10	7.5	4.6-17.6	10-37	0.28-1.06	68	150	3/4"	905 x 740x 1000
	1			4.8-14.7	10-31	0.29-0.88				
QC20PM	0.7	20	15	10.4-34.8	22-74	0.6-2.1	70	210	3/4"	905 x 740 x 1000
	1			10.0-27.7	21-59	0.6-1.7				
QC30PM	0.7	30	22	17.0-60.7	43-174	1.0-3.6	70	290	1"	1005 x 895 x 1268
	1			16.5-51.7	36-148	1.0-3.1				
QC50PM	0.7	50	37	30.0-121.3	64-224	1.8-6.3	71	390	1 1/2"	1235 x 1025 x 1405
	1			29.5-89.7	63-109	1.8-5.4		400		

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TMDD Features

1 Station Total Solution Advantage

1 Total Solution Installation

- Screw compressor, refrigerant dryer, 500L air receiver combination design for convenience

2 Professional Compressed Air Flow

- Compressed air from screw compressor through to air receiver for 1st step condensation removement, well reduce the burden on refrigerant dryer for ensuring compressed air dryness supply to end instrument





3 Compact Layout

-Minimum foot-print design satisfy limit operation space installation

4 Simple Operation

-Plug and play
-Friendly operation and quick service
-Quick technical support standby



Technical Data

Model	Working pressure	Motor power		Capacity			Noise level	Weight	Connection	Dimensions
	Mpa	HP	kW	l/s	CFM	m^3/min	dB(A)	KG	R	L x W x H (mm)
QC10FS/TMD	0.8	10	7.5	18	37	1.05	66	358	1/2"	1547 x 650 x 1473
	1.0			14	30	0.85				
QC15FS/TMD	0.8	15	11	27	58	1.6	72	430	1"	1537 x 650 x 1430
	1.0			23	48	1.4				
QC20FS/TMD	0.8	20	15	33	70	2.0	73	430	1"	1537 x 650 x 1430
	1.0			31	65	1.8				
QC10PM/TMD	0.7	10	7.5	4.6-17.6	10-37	0.28-1.06	68	355	1”	1883 x 740 x 1769
	1.0			4.8-14.7	10-31	0.29-0.88				
QC20PM/TMD	0.7	20	15	10.4-34.8	22-74	0.6-2.1	70	415	1”	1883 x 740 x 1769
	1.0			10.0-27.7	21-59	0.6-1.7				

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