



Compressed Air Solutions with Outstanding Value

DFS/DPM 7.5 - 45 KW OIL-INJECTED SCREW COMPRESSORS



24 HOUR SUPPORT

☎ (03) 8589 9075

www.deaservices.com.au

User benefits

Reliability

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



Uncompromised Quality

- ISO 9001 · 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
- AS1210 compliant



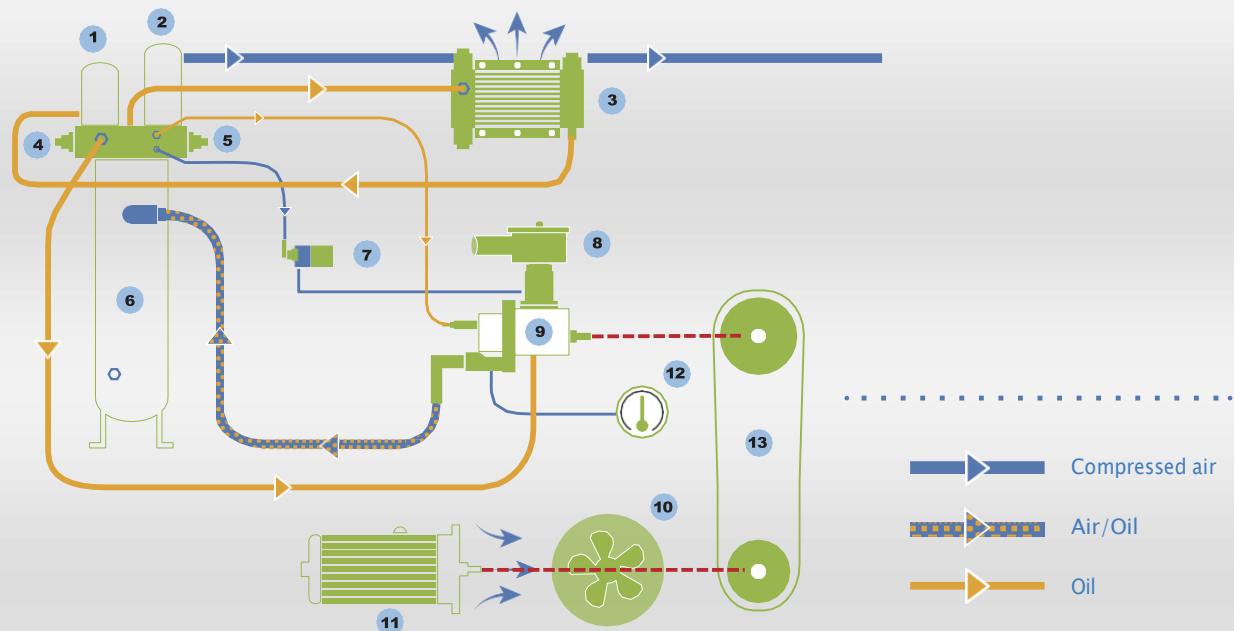
Oil injected screw compressors plant



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

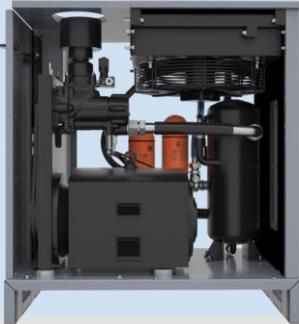


Spare parts distribution center



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

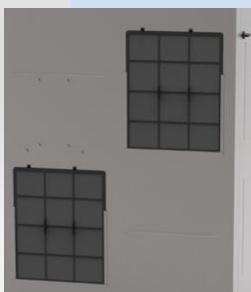
- Greater yield
- High efficiency
- Long life & reliability
- Lasting performance

Simple user friendly controller with outstanding functions

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



Horizontal design bring high efficiency internally cooling



Fast service pre-filtration

- Smart slot design make 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	m³/min	dB(A)	KG		L x W x H (mm)
DFS 4	0.8	5.5	4	9	18	0.51	66	130	G1/2"	650 x 650 x 890
	1.0			8	16	0.46				
DFS 5.5	0.8	7.5	5.5	13	28	0.8	66	160	G1/2"	650 x 650 x 890
	1.0			11	23	0.65				
DFS 7.5	0.8	10	7.5	18	37	1.05	66	167	G1/2"	650 x 650 x 890
	1.0			14	30	0.85				
DFS 11	0.8	15	11	27	58	1.6	72	230	G3/4"	850 x 650 x 930
	1.0			23	48	1.4				
DFS 15	0.8	20	15	33	70	2.0	73	230	G3/4"	850 x 650 x 930
	1.0			31	65	1.8				
DFS 18.5	0.8	25	18.5	49	103	2.9	72	330	G1"	710x740x1275
	1.0			41	87	2.5				
DFS 22	0.8	30	22	55	117	3.3	72	345	G1"	710 x 840 x 1275
	1.0			46	98	2.8				
DFS 30	0.7	40	30	82	174	4.9	79	564	G1.5"	860 x 850 x 1345
	0.8			78	166	4.7				
	1.0			63	132	4.1				
DFS 37	0.7	50	37	97	204	5.8	79	584	G1.5"	860 x 850 x 1345
	0.8			95	201	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, enhance minimum transmission chemical loss
- IE4 and IE5 motor contribute to reduce energy consumption

2 Cooling system

- Design for operation at ambient temperature maximum 46°C
- Large aluminum material cooling capacity
- Professional exhausting flow bring high cooling efficiency

3 Inverter

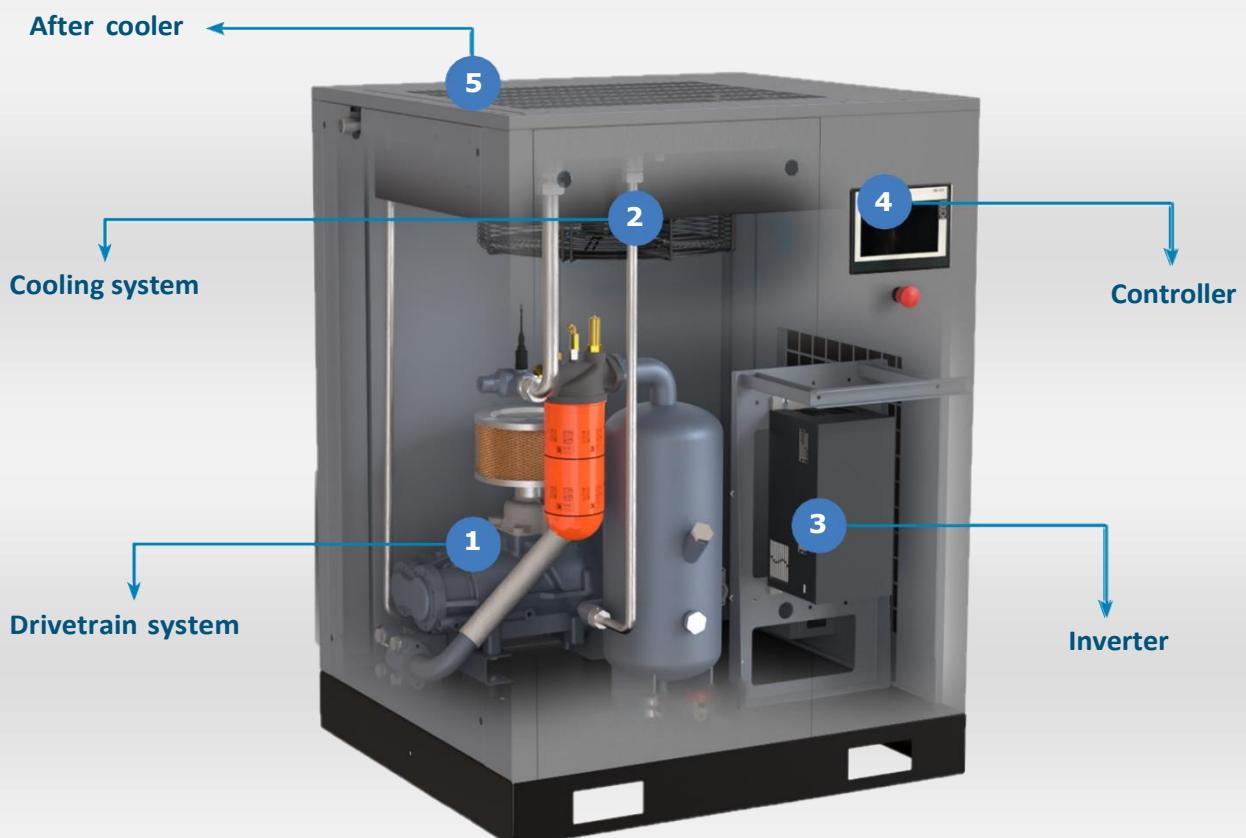
- Strict selection based on the verification from market industry applications
- Smart inverter detect the compressor air needs in real time
- Quick response to the regulation system for perfect match every working peak

4 Controller

- 7 inches color display screen
- Touch control
- Simple and easy operation
- Friendly human interaction

5 After cooler

- Considerable aftercooler in standard to limit the moisture content in compressed air
- Protect piping system and end side equipment 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	m³/min	dB(A)	KG	R	L x W x H (mm)
DPM7.5	0.7	10	7.5	4.6-17.6	10-37	0.28-1.06	68	150	3/4"	905x740x1000
	1			4.8-14.7	10-31	0.29-0.88				
DPM11	0.7	15	11	7.5-25.8	16-55	0.45-1.55	69	210	3/4"	905x740x1000
	1			5.3-21.5	11-46	0.32-1.29				
DPM15	0.7	20	15	10.4-34.8	22-74	0.6-2.1	70	210	3/4"	905x740x1000
	1			10.0-27.7	21-59	0.6-1.7				
DPM18.5	0.7	25	18.5	17.0-53.0	36-112	1.0-3.2	70	280	1"	1005x895x1268
	1			16.5-42.8	35-91	1.0-2.6				
DPM22	0.7	30	22	17.0-60.7	36-129	1.0-3.6	70	290	1"	1005x895x1268
	1			16.5-51.7	35-110	1.0-3.1				
DPM30	0.7	40	30	20.2-82.0	43-174	1.2-4.9	72	320	1 1/2"	1235x1025x1405
	1			17.2-70.0	36-148	1.0-4.2				
DPM37	0.7	50	37	30.2-105.5	64-224	1.8-6.3	71	390	1 1/2"	1235x1025x1405
	1			29.5-89.7	63-190	1.8-5.4		400		
DPM45	0.7	60	45	30.0-121.3	64-257	1.8-7.3	73	410	1 1/2"	1235x1025x1405
	1			29.5-107.5	63-228	1.8-6.5				

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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 the 1 station installation

2

Professional compressed air flow

- Compressed air from screw compressor through to air receiver for 1st step condensation removal, 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
	⌚	水泵	水泵	⌚	水泵	水泵	🔊	∅∅	↔	
	MPA	HP	kW	l/s	CFM	m³/min	dB(A)	KG	G	L x W x H (mm)
DFS7.5 TMDD	0.8	10	7.5	18	37	1.05	66	358	1/2"	1547x650x1473
	1.0			14	30	0.85				
DFS11 TMDD	0.8	15	11	27	58	1.6	72	430	1"	1537x650x1430
	1.0			23	48	1.4				
DFS15 TMDD	0.8	20	15	33	70	2.0	73	430	1"	1537x650x1430
	1.0			31	65	1.8				
DPM7.5 TMDD	0.7	10	7.5	4.6-17.6	10-37	0.28-1.06	68	355	1"	1883x740x1769
	1			4.8-14.7	10-31	0.29-0.88				
DPM11 TMDD	0.7	15	11	7.5-25.8	16-55	0.45-1.55	69	415	1"	1883x740x1769
	1			5.3-21.5	11-46	0.32-1.29				
DPM15 TMDD	0.7	20	15	10.4-34.8	22-74	0.6-2.1	70	415	1"	1883x740x1769
	1			10.0-27.7	21-59	0.6-1.7				

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CARE

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

TRUST

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

EFFICIENCY

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.