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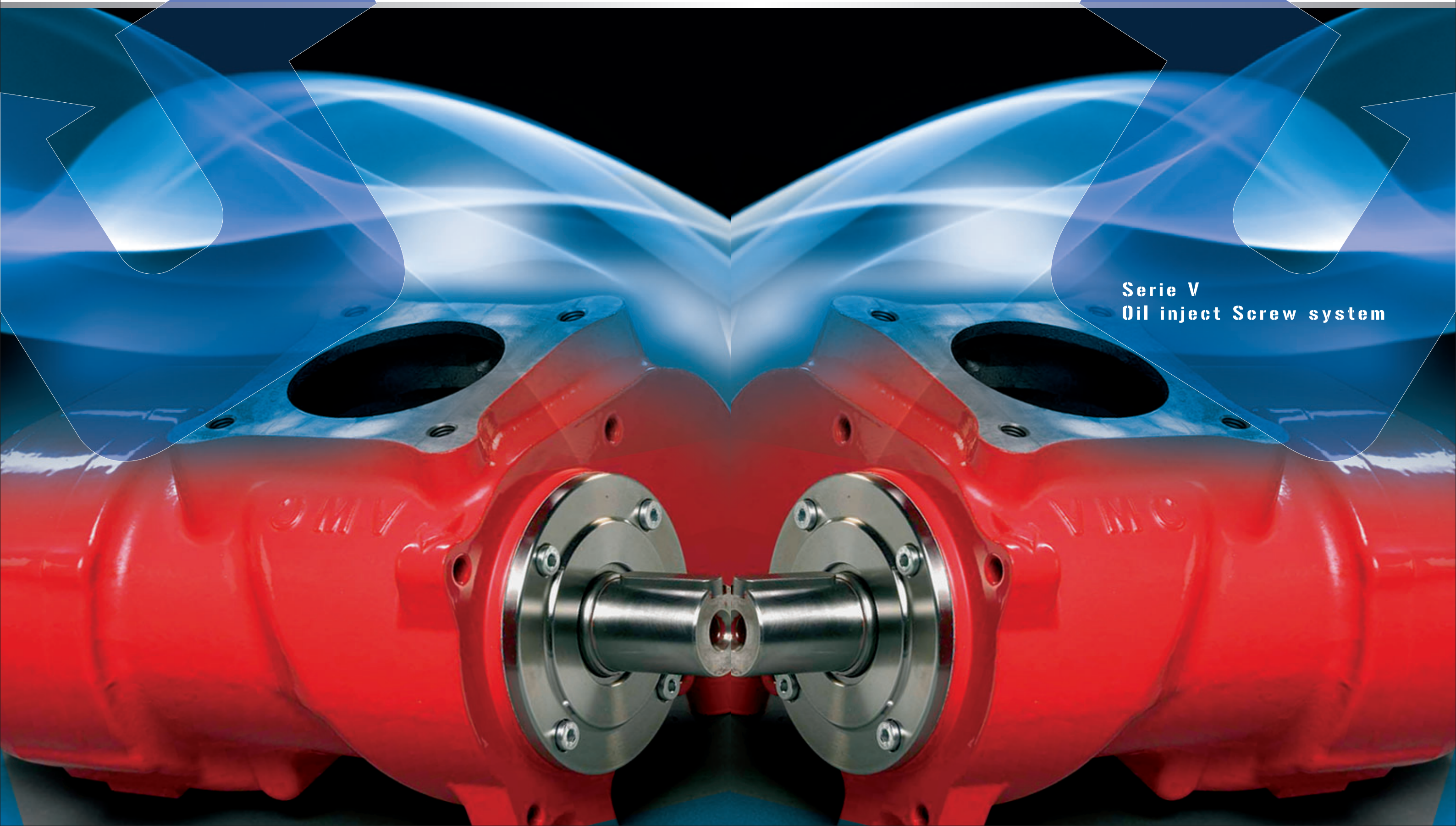
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Extreme innovation



Serie V
Oil inject Screw system



VMC value

- > High-quality components
- > Strict tests
- > High performances
- > Compact design for small compressors
- > High accessibility during the maintenance phases



PROFILE: planned to offer maximum performance, efficiency and duration. It guarantees a high airflow with a minimum energy consumption. Rotors are first roughed and then grinded. Least tolerances, high precision and best performances are therefore guaranteed, even in extreme conditions.

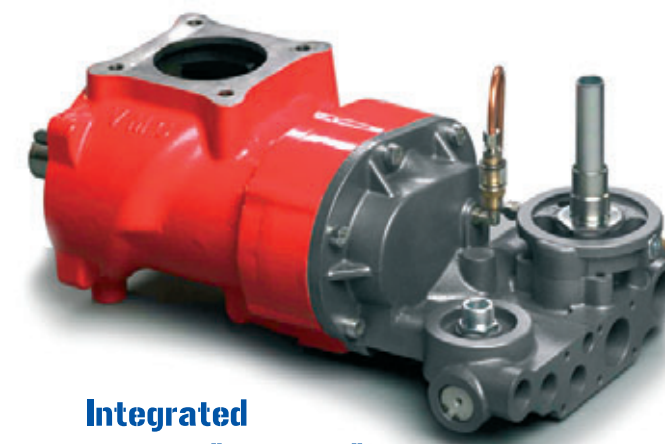
BEARINGS: radial and thrust bearings are created to be lasting. Only first quality bearings are used.

FRONTAL SEALINGS: no oil loss thanks to excellent materials and suitable dimensions. Accessibility for a simple and fast replacement.

APPLICATIONS: for belt and direct connection. Gear box available for V60 model.

ASSEMBLY: body parts are joined with O-rings, so the maintenance is easy, fast and reliable. No glues used to join parts.

ROTOR ADJUSTMENT: threaded rings are used to adjust rotors during the assembly phases. In this way, maintenance phases are very fast, reliable and repeatables.



**Integrated
Air-end "V-VTDM"**



Air-end "V" series

VMC presents a complete set of compressors oil inject screws

Welcome to VMC world, a leader company in the planning and production of valves and solutions for compressors. To be the number one means offering innovative solutions for successful products everyday. Therefore, VMC has created a new line of screws, an extraordinary result of decennial experience in the precision mechanics, constant research in the technical staff field, complete valve and machine system knowledge, customer care and everyday passion for the projects that improve our everyday work.

STRICT TESTS FOR WINNING PRODUCTS

VMC strictly tests every single oil inject screw and attaches its test report to each part number. VMC guarantees a practical, functional and lasting product.

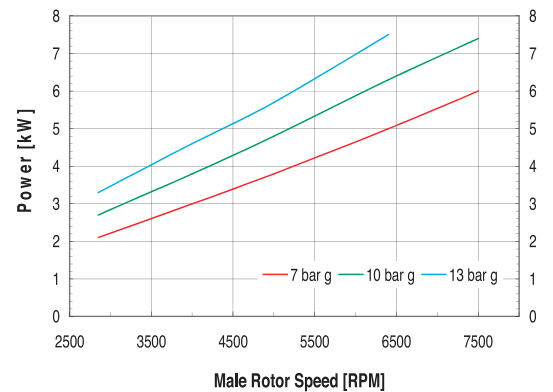
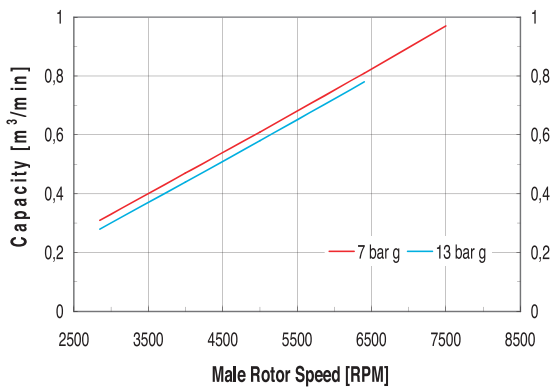
- TEST STANDS FOR EACH MODEL, PLANNED TO DETECT ALL THE FUNCTIONAL PARAMETERS
- DEDICATED SOFTWARE FOR THE ANALYSIS OF THE DATA DETECTED DURING THE TESTING
- INSTRUMENTS WHICH DETECT NOISE DURING ALL THE FUNCTIONING CONDITIONS
- TEST REPORT FOR EACH PRODUCT



V60/Pack Smart

TECHNICALS DATA

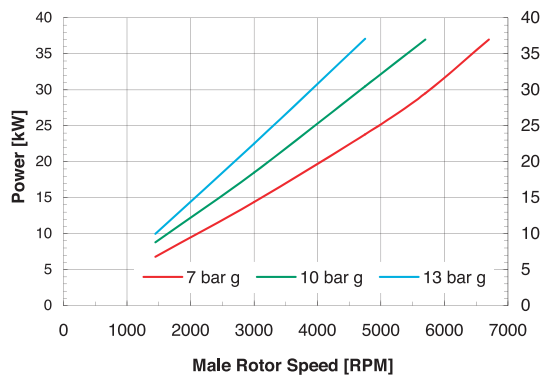
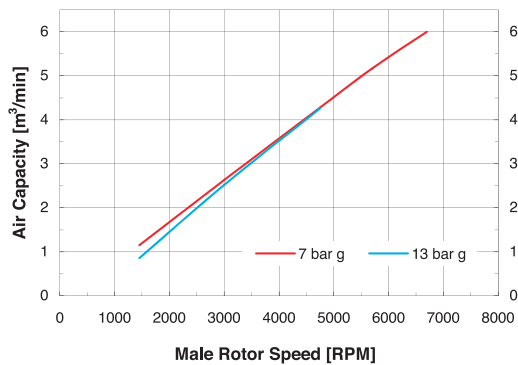
Size	V60	
Drive	Direct by coupling or belt	
Rotor dimensions		
Outside male diameter:	mm	59,7
Outside female diameter:	mm	47,7
L/D:		1,55
Air Capacity (ISO 1217 ANNEX B 1996)	m³/min	0,28-0,97
Max. Working Pressure	bar g	13
Min. Working Pressure	bar g	5
Oil injected Quantity	l/min	11-15
Max Input Power	kW	7,5
Max main rotor speed	rpm	7500
Max outlet air/oil Temperature	°C	105
Weight	kg	8,9



V110/V110-VTDM

TECHNICALS DATA

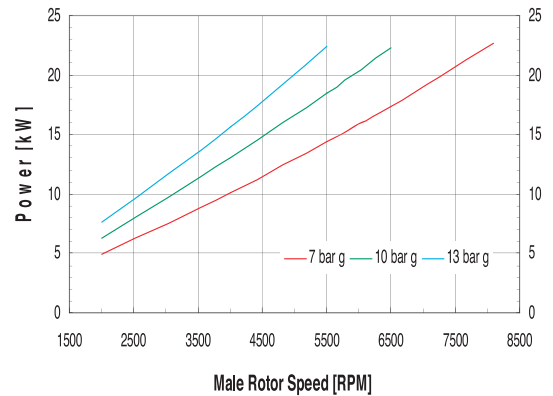
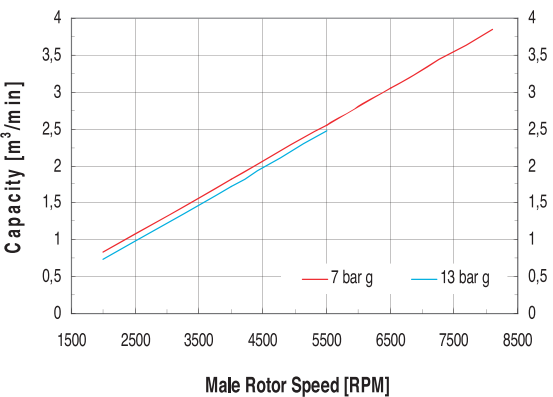
Size	V110	
Drive	Direct by coupling or belt	
Rotor dimensions		
Outside male diameter:	mm	111,3
Outside female diameter:	mm	88
L/D:		1,55
Air Capacity (ISO 1217 ANNEX B 1996)	m³/min	0,86-6
Max. Working Pressure	bar g	13
Min. Working Pressure	bar g	5
Oil injected Quantity	l/min	50-70
Max Input Power	kW	37
Max main rotor speed	rpm	6700
Max outlet air/oil Temperature	°C	105
Weight	kg	45



V90/V90-VTDM

TECHNICALS DATA

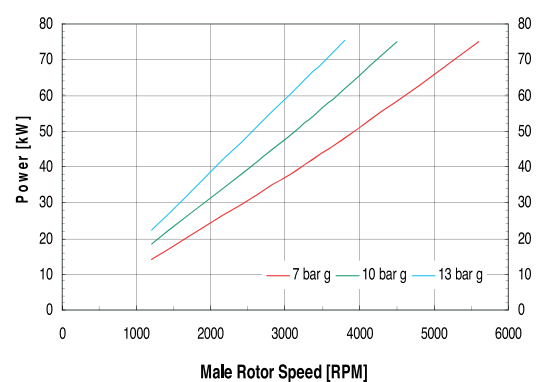
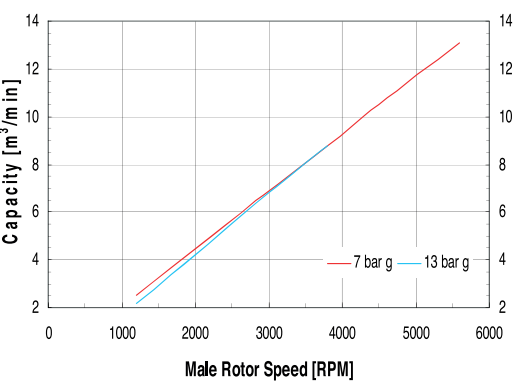
Size	V90	
Drive	Direct by coupling or belt	
Rotor dimensions		
Outside male diameter:	mm	89,4
Outside female diameter:	mm	71,2
L/D:		1,55
Air Capacity (ISO 1217 ANNEX B 1996)	m³/min	0,76-3,83
Max. Working Pressure	bar g	13
Min. Working Pressure	bar g	5
Oil injected Quantity	l/min	29-40
Max Input Power	kW	22
Max main rotor speed	rpm	8100
Max outlet air/oil Temperature	°C	105
Weight	kg	25,5



V150/V150-VTDM

TECHNICALS DATA

Size	V150	
Drive	Direct by coupling or belt (at male rotor)	
Rotor dimensions		
Outside male diameter:	mm	150,3
Outside female diameter:	mm	119,2
L/D:	mm	1,55
Air capacity (ISO 1217 ANNEX B 1996)	2,6 - 13	
Max Working Pressure	bar g	13
Min Working Pressure	bar g	5
Oil injected Quantity	l/min	75 - 105
Max Input Power	kw	75
Max main rotor Speed	rpm	5600
Max outlet air/oil Temperature	°C	105
Weight	kg	105





Compressed air for public means of transport

The compressors assembled in means of transport such as trains, buses and undergrounds need compact, efficient, clean and silent systems. VMC offers the Pack Smart integrated system, joined to the V60 oil inject screw. An incredible solution to guarantee an abundant compressed air supplying and a perfect functioning of:

• BRAKES • AUTOMATIC DOORS • SUSPENSIONS AND CAMBER • WINDSCREEN WIPERS • DRIVER SEAT

A winning solution within reach

The Pack Smart integrated system and the V60 oil inject screw are created in the VMC Research & Development division. It satisfies all the Mass Transit Authorities requisites regarding:

• CLEANING • SILENCE • RELIABILITY • ENERGY CONSERVATION • SAFETY

The Pack Smart integrated system and the V60 oil inject screw can be easily integrated to the existing machine and the VMC engineers are always available to help you during the integration phases.



Why choose a VMC oil inject screw?

SOLUTIONS: the VMC oil inject screws have been planned to have the best efficiency and performances and offer advantages such as a reduction in costs, overall dimensions and logistics when they are linked to the available valves and accessories. Many combinations to obtain different solutions according to the customer's needs.

LUBRICATING OIL: the use of high-quality synthetic or mineral oils ensures a lasting and reliable compressor. An oil in good conditions improves the operating characteristics and increases performances.

LOGISTICS: valves and oil inject screws are available for all the needs of our customers. We offer an only referent for the selection, management, supplying, transport and assistance phases.

TECHNICAL STAFF: our decennial experience is at your disposal. Our technical staff can give you suggestions about the use, fitting, connection or adjustment of our devices in order to improve your compressors performances. An efficient service to reduce costs and wastes of time.

AFTER MARKET SERVICE: you can find spare parts in our storehouse and commercial division. The best technical staff is at your disposal to solve your problems. Each oil inject screw has its maintenance document, with the instructions about components and the operative rules to follow in order to avoid mistakes.

