

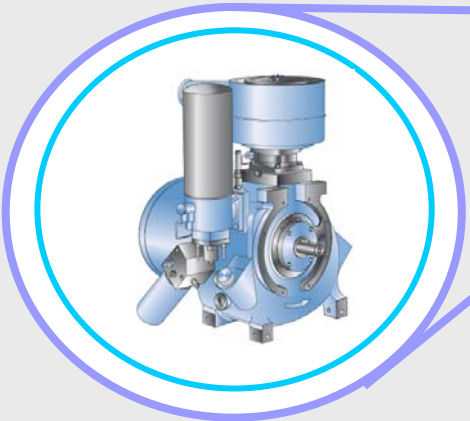
# THE COMPACT SCREW AIR COMPRESSOR

**Rota-Screw**  
**Compressor**  
GERMANY

## Rota-Screw NKP E Series

3~75 kw (4~100 hp)  
6~15 Bar (85~218 psi)

**ECONOMICAL , INTELLIGENT , SAFE , POWERFUL**



**ROTORCOMP**  
**VERDICHTER**

Incorporating 60 years of experience in compressor production and latest CAD & CAM design systems to maintain state-of-the-art performance standards.

**IWATECH**

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# SPECIFICATIONS

MODELS	MOTOR		FAD (m3/mn)				STARTER	SOUND LEVEL dBA at 1.5 m	OIL QUANTITY litres	WEIGHT kg	OUTLET CONNECTION inches	DIMENSIONS L X W X H (meter)
	KW	HP	07 Bar	10 Bar	13 Bar	15 Bar						
NKP 0330 E	3	4	0.40	0.35	0.24	0.21	DOL	62	4	170	1/2 BSP	0.83x0.70x1.10
NKP 0337 E	3.7	5	0.50	0.41	0.31	0.28	DOL	63	4	180	1/2 BSP	0.83x0.70x1.10
NKP 0355 E	5.5	7.5	0.70	0.61	0.47	0.41	DOL	63	4	180	1/2 BSP	0.83x0.70x1.10
NKP 0455 E	5.5	7.5	0.80	0.64	0.48	0.42	DOL	64	4	190	1/2 BSP	0.83x0.70x1.10
NKP 0475 E	7.5	10	1.06	0.95	0.74	0.63	DOL	65	4	190	1/2 BSP	0.83x0.70x1.10
NKP 0611 E	11	15	1.75	1.50	1.20	0.96	S/D	67	5.5	320	3/4 BSP	0.81x0.86x1.25
NKP 0615 E	15	20	2.10	1.90	1.50	1.25	S/D	69	5.5	330	3/4 BSP	0.81x0.86x1.25
NKP 1018 E	18	25	3.00	2.60	2.20	1.90	S/D	68	8	450	3/4 BSP	0.85x1.10x1.38
NKP 1022 E	22	30	3.60	3.10	2.70	2.30	S/D	69	8	500	3/4 BSP	0.85x1.10x1.38
NKP 1030 E	30	40	4.30	4.00	3.60	3.10	S/D	72	8.5	600	3/4 BSP	0.85x1.10x1.41
NKP 1637 E	37	50	6.20	5.70	5.10	4.50	S/D	72	22	850	1 1/2 BSP	1.55x1.00x1.61
NKP 1645 E	45	60	7.20	6.30	5.70	5.10	S/D	74	22	960	1 1/2 BSP	1.55x1.00x1.61
NKP 2055 E	55	75	9.00	7.60	6.60	5.50	ATS	75	36	1200	2 BSP	1.80x1.23x1.80
NKP 2075 E	75	100	11.50	9.80	8.30	7.60	ATS	76	42	1700	2 BSP	2.1x1.33x1.85 **



The **Rota-Screw NKP-E Series** incorporated with **ROTORCOMP** NK Series Compact Modules , Intelligent Electronic Controller and specially design Silencing Canopy produce the utmost efficient and reliable Air Compressor for all industries.

### Advanced Screw Compressor Technology

The major components, such as the compressor compact unit are imported from **ROTORCOMP** Verdichter. GmbH Munich, Germany. A subsidiary company of the Bauer Compressor Group and a renowned manufacturer of screw compressor blocks.

### Ready

By connecting electric cable and Air Piping , Compressors are ready for operation.

### Full safety features

Safety Valve - Installed directly onto the Compact Module  
E-Stop Button and Separator Pressure Gauge visibly mounted on Display Panel

Intelligent Controller with precision monitoring of compressor .

### Compact in design

Compact design eliminates unwanted pipe work and potential Oil leaks .

### Ease of Maintenance

Dom Separator and Oil Filter Cartridge can be easily removed with a wrench.



## UNIVERSAL INTELLIGENT CONTROLLER



- Display
- On Button
- Stop Button

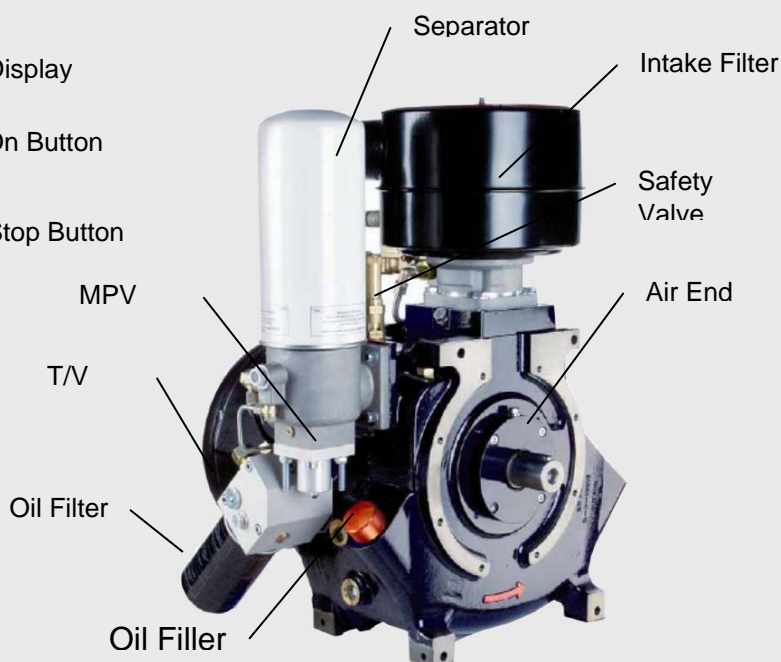


Temperature Sensor



Pressure Sensor

## NK COMPACT AIR MODULE



## UNIVERSAL INTELLIGENT CONTROLLER

### 1 UIC

is a system managing the compressor's operation intensively, saving energy and preventing problems in advance with alarming system. sampling rate is about 10 times faster than the existing controllers .

**UIC** is the BEST for operation of Screw Air Compressors.

### 2 BIG SIZE GRAPHIC LCD

for user's easy operation and recognition .

### 3 BLACK BOX

store a maximum of 160 events on running log , so it is easy for preventative maintenance and trouble-shooting , Additionally , it is possible to verify the operation data at site when trip occur, so it is helpful for users to know the reason of trouble in real-time.

### 4 STATUS DISPLAY

A comprehensive display function for operation status (e.g. Ready, Load, Auto Stop, Delay and Shut Down) and **Fault** (Alarm and Trip), so users can recognize the status of compressor at a glance.

### 5 REAL TIME CLOCK

Automatic calculation and notice function for preventative maintenance and.Automation of economical operation by embedded weekly timer

## NK COMPACT AIR MODULE

### 1 NK Series

oil-injected rotary compressor has been optimized with regard to safety & compactness .Six components are integrated into a module:- Air Filter, Intake Control, Air End, Compressed Air/Oil tank , Separator Cartridge and oil filter.

### 2 Simplified Service and Maintenance

Compact Encapsulated Air End design integrated all components into the housing eliminates unwanted pipe work and potential oil leaks.

### 3 Less Maintenance Parts

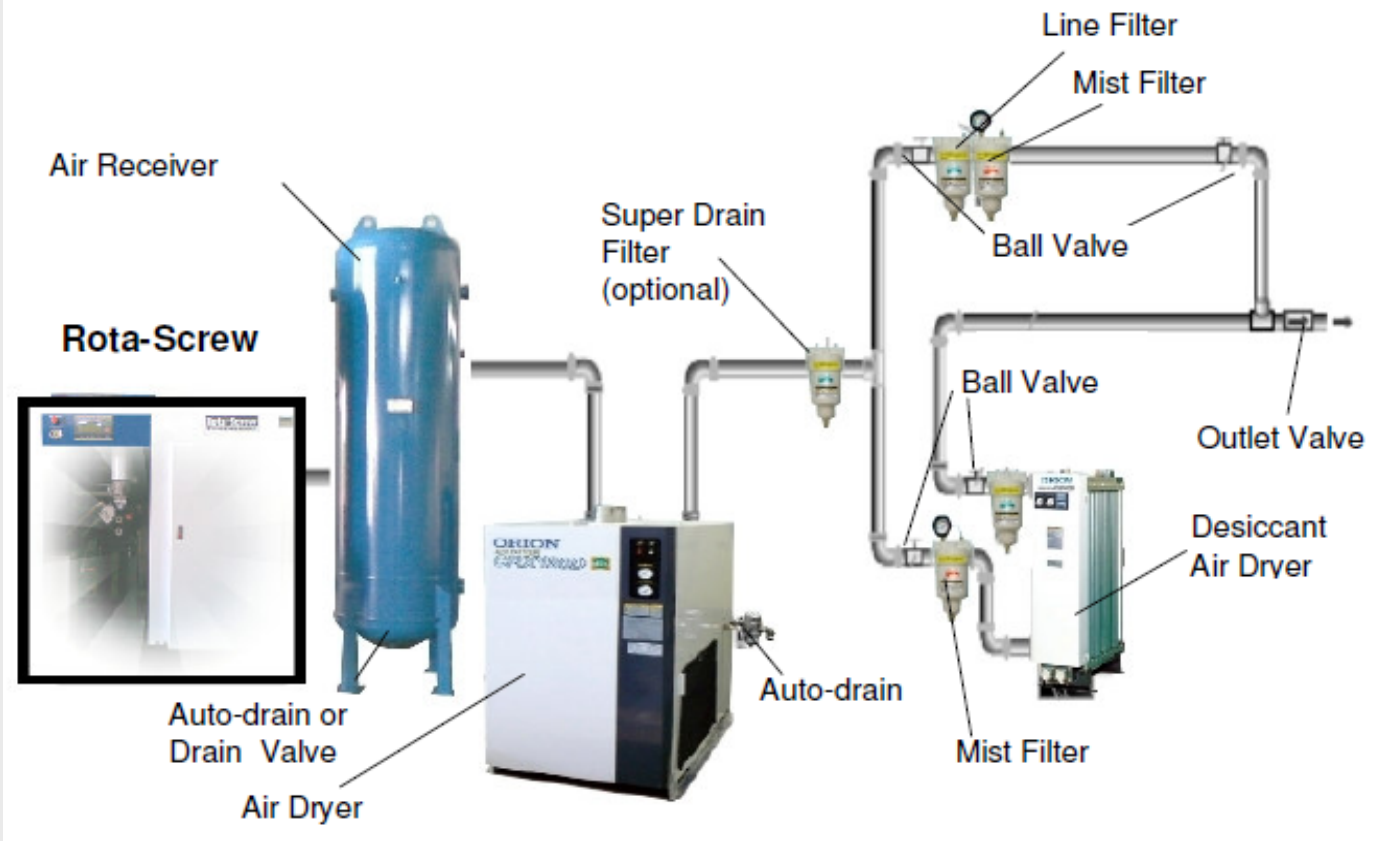
Integration of individual components into a Module has resulted in less wear and tear parts .  
Less spare parts and service time resulting in cost saving.

### 4 High Operational Reliability

The Main Housing is made of Solid Cast Iron resulting in Low Noise and Vibration.

### 5 Simplified and Safe Handling

The wear -free ROLLING PROFIL© and the generously dimensioned sub-assemblies . guarantee a Long Service Life and High Technical Standard.



LINE FILTER



HEATLESS AIR DRYER (DESICCANT)



REFRIGERATED AIR DRYER



ECO TEC OIL FREE CONVERTOR



AIR RECEIVER TANK



COMPRESSOR OIL

FULL RANGE OF COMPRESSED AIR PRODUCTS,

CUSTOMIZATION OF COMPRESSED AIR SYSTEMS AND CONDENSATE MANAGEMENT ARE AVAILABLE