

# Oil Pressure Relief Valve

This type of valve has an equilibrated differential piston and can be regulated very exactly, has quick and safe reaction and is free from fluttering. The cylindrical piston is fitted in the corresponding bore hole of the valve body with sufficient overlapping. Due to manufacturing tolerances some leakage may appear if valve is shut. Adjustment is done by a spindle in the head of the valve which can be handled after removing the nut. The regulated pressures are smoothly adjustable within the ranges of table 2.

Rotation to the left will result increase of pressure and rotation to the right reduces it.

The valves RSn 1/2" and 3/4" also are deliverable with handwheel adjustment.

Moreover the types RSn 1/2", 3/4", 1" and 1 1/2" are available as resistance valves. The valve body then has an additional oil leakage connection while external dimensions remain unchanged. Regulated pressures and ranges of pressure on request.

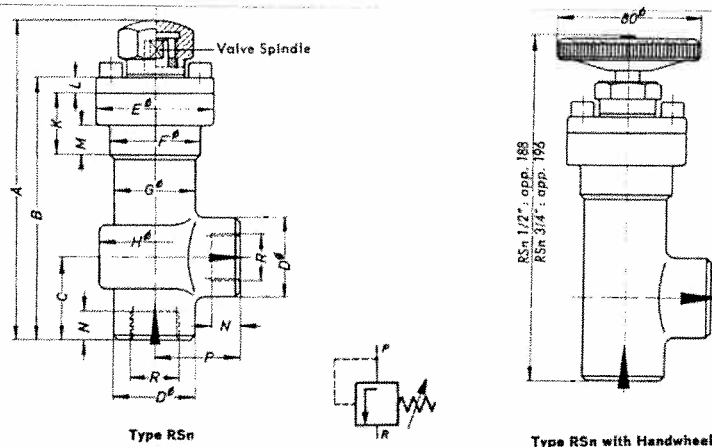


Table 1: Dimensions and weight

Type and Sizes	A	B	C	D	E	F	G	H	K	L	M	N	P	R	Weight app. kg	
															without handwheel	with handwheel
RSn 1/2"	17	14	39	40	60	45	40	40	35	9	20	14	39	1/2"	1,8	1,9
RSn 3/4"	18	14	47	45	65	50	45	45	35	9	17	16	47	3/4"	2,2	2,3
RSn 1"	20	17	55	56	80	56	56	64	17	9	0	25	60	1"	3,8	-
RSn 1 1/2"	23	20	70	76	92	76	76	91	20	10	0	30	70	1 1/2"	6,7	-
RSn 2"	26	22	85	82	90	76	76	82	20	10	0	40	85	2"	6,7	-

Table 2: Ranges of regulation

Type and sizes	Ranges of regulations in bar						
	1 - 3	2 - 7	4 - 15	7 - 30	15 - 40	30 - 80	50 - 100
RSn 1/2"	1 - 3	2 - 7	4 - 15	7 - 30	15 - 40	30 - 80	50 - 100
RSn 3/4"	1,5 - 5	2,5 - 10	4,5 - 23	10 - 35	23 - 55	38 - 70	-
RSn 1"	1 - 4	2 - 8	5 - 15	10 - 35	15 - 50	25 - 70	-
RSn 1 1/2"	0,8 - 2	1,6 - 5	4 - 14	8 - 28	16 - 48	30 - 85	-
RSn 2"	1,5 - 5	4 - 10	7 - 20	12 - 32	-	-	-

# Documentation Manual

## Turbine - Nr.: 21124

### Electrical documents

### Table of components

#### Kapitel

1	2-2 way Solenoid valve	Bürkert
2	ceraphant T PTC31	Endress+Hauser
3	Inductiv Sensors	VDO
4	Position Transducer LWG 300	Novotechnik
5	Trendsetter Model TXA / TXR	Metrix
6	Signal Interface MUP 100	NOVOTECHNIK
7	switch Z332	Schmersal
8	MDR-F...	Condor Pressure control GmbH
9	Resistance Thermometer TR 200	WEKA
10	Switchboard Instruments Types P096x	
11	Speed sensor	Jaquet
12	Rhermophant T TTR31	Endress+Hauser
13	Transducers	Metrix
14	MTN / 11851C	vibro-meter gmbh
15	TW 32 Widerstandsthermometer	Fischer
16	Position switches Z/T 335	Schmersal

