

Gasservei





MAXIMUM SAVINGS, ZERO CHANGES REFRIGERANT RS-53 (R-470A)



- ✓ **DIRECT SUBSTITUTE (DROP-IN)**
- ✓ **MORE ENVIRONMENTALLY FRIENDLY:
GWP=980**
- ✓ **DOES NOT DEplete THE OZONE LAYER**
- ✓ **SIMILAR COOLING CAPACITY AND COP VS. R-410A**
- ✓ **INSTALLATION OF THE FUTURE:
SUITABLE FOR NEW INSTALLATIONS AND RETROFITTING**
- ✓ **NON-FLAMMABLE (A1)**

RS-53 (R-470A) is a zeotropic HFC+HFO refrigerant gas mixture that does not damage the ozone layer, is NON-flammable and has very low global warming potential (GWP=980), used as a direct replacement (drop-in) for R-410A.

APPLICATIONS

- ✓ New air conditioning and industrial refrigeration equipment: splits, ducts, VRV, chillers. 
- ✓ Maintenance and conversion of existing R-410A equipment (retrofit). 

BENEFITS

- ✓ GWP=980, 53% lower than R-410A.
- ✓ **Ideal for retrofit: Compatible lubricant, materials and components.** Easy, fast and economical retrofit.
- ✓ Compatible lubricants: Polyolester (POE).
- ✓ **Cooling capacity and COP similar to R-410A.**
- ✓ **Mass flow: similar to R-410A (valid for capillary, TXV and EEV).**
- ✓ **Discharge pressure: lower than R-410A.**
- ✓ **No ozone depletion (ODP=0).**
- ✓ Safety classification: A1. **Non-flammable and low toxicity.**
- ✓ Replaces R-410A in A/C and refrigeration applications.

R-470A RS-53



Drop-in direct replacement

Compatible with POE lubricants, installation materials and components, and with all expansion systems (capillary and TXV).

A future-proof, non-flammable refrigerant with very low GWP

RS-53 (R-470A) has a low GWP, making it more environmentally friendly. In addition, its safety rating is A1.

°C	PRESSURE/TEMPERATURE TABLE		
	HFC / HFC+HFO (bar)		
	R-410A	RS-53	
-50	0,08	0,80	-0,53
-48	0,19	0,96	-0,47
-46	0,31	1,13	-0,41
-44	0,45	1,31	-0,34
-42	0,59	1,50	-0,27
-40	0,74	1,71	-0,19
-38	0,91	1,92	-0,10
-36	1,08	2,15	-0,01
-34	1,27	2,39	0,09
-32	1,47	2,65	0,21
-30	1,69	2,91	0,32
-28	1,92	3,20	0,45
-26	2,16	3,49	0,59
-24	2,43	3,81	0,74
-22	2,70	4,13	0,90
-20	2,99	4,48	1,07
-18	3,30	4,84	1,25
-16	3,63	5,22	1,45
-14	3,98	5,61	1,66
-12	4,35	6,03	1,88
-10	4,73	6,46	2,11
-8	5,14	6,91	2,36
-6	5,57	7,38	2,63
-4	6,02	7,87	2,91
-2	6,50	8,38	3,21
0	6,99	8,91	3,52
2	7,52	9,46	3,85
4	8,07	10,03	4,21
6	8,64	10,62	4,58
8	9,24	11,24	4,97
10	9,87	11,88	5,38
12	10,53	12,54	5,81
14	11,22	13,23	6,27
16	11,93	13,94	6,75
18	12,68	14,67	7,25
20	13,46	15,43	7,78
22	14,28	16,21	8,33
24	15,13	17,02	8,91
26	16,01	17,85	9,52
28	16,93	18,71	10,16
30	17,88	19,60	10,82
32	18,87	20,51	11,52
34	19,91	21,45	12,25
36	20,98	22,42	13,01
38	22,09	23,42	13,80
40	23,24	24,44	14,63
42	24,44	25,49	15,50
44	25,68	26,57	16,40
46	26,97	27,68	17,34
48	28,31	28,81	18,32

Relative / gauge pressure.

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