



# PRICE LIST 2024

## STOCK EQUIPEMENT



**8 May 2024**

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WAREHOUSE AND SALES DEPARTMENT Al. Krakowska 80A, 05-552 Stefanowo  
opening hours Monday - Friday 8:00-16:00**

registered in the Warsaw District Court, 14th Commercial Division of the National Court Register,  
company register number KRS: 0000298346, tax identification number: PL5220059742,  
share capital: PLN 14 280 000, paid capital: PLN 14 280 0000

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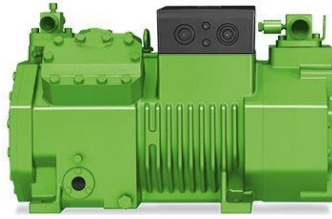
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All prices are gross prices and do not include VAT.

We reserve the right to make changes.



# COMPRESSORS



2...SL...



4...TC...

## SUBCRITICAL semi-hermetic piston compressors

Type	Cooling capacity Q <sub>o</sub> [kW] for R744 at evaporation/condensing temperature [°C]			Price [EUR]
				Standard execution
	-30/-10	-35/-10	-40/-10	Compressor with crankcase heater
2JSL-2K-40S	7,18	5,65	4,36	<b>1 747,-</b>
2HSL-3K-40S	9,28	7,36	5,71	<b>1 798,-</b>
2FSL-4K-40S	13,97	11,22	8,86	<b>1 822,-</b>

Compressor equipped with suction/discharge shut-off valve, suction safety-valve, electronic motor protection device SE-B1, with ester oil BSE60K charge.

## TRANSCRITICAL semi-hermetic piston compressors

Type	Cooling capacity Q <sub>o</sub> [kW] for R744 at evaporating/output from gas cooler temperature [°C]			Price [EUR]
				Standard execution
	-5/+25	-5/+35	-5/+45	Compressor with crankcase heater
4MTE-10K-40S	19,68	14,94	11,74	<b>5 113,-</b>
4KTE-10K-40S	29,2	22,1	16,73	<b>5 229,-</b>
4HTE-20K-40S	37,2	28,6	22,8	<b>6 533,-</b>
4FTE-20K-40P	55,7	42,6	32,6	<b>6 972,-</b>
4FTE-30K-40S	55,6	43,8	35,5	<b>7 920,-</b>

Compressor equipped with discharge safety-valve, electronic motor protection device SE-B1, with ester oil BSE85K charge.



# AIR-COOLERS



## ROLLER air cooler DLKT with electric defrost

Type	Cooling capacity Q <sub>o</sub> [kW] at inlet air temperature		Heat exchange surface [m <sup>2</sup> ]	Number of fans x D [mm]/ power consumption [W/pc.]/ power supply [f]	Air volume [m <sup>3</sup> /h]	Price [EUR]
	0°C (DT1=8K)	-18°C (DT1=7K)				
DLKT 713 EC COI 80 bar*	3,2	2,1	10,3	3 x 250 / 31 / 1	2400	<b>1 686,-</b>



## ROLLER air cooler type FHVT with electric defrost

Type	Cooling capacity Q <sub>o</sub> [kW] at inlet air temperature		Heat exchange surface [m <sup>2</sup> ]	Number of fans x D [mm]/ power consumption [W/pc.]/ power supply [f]	Air volume [m <sup>3</sup> /h]	Price [EUR]
	0°C (DT1=8K)	-18°C (DT1=7K)				
FHVT 712 EC COI 80 bar*	4,3	3,2	13,5	2 x 300 / 60 / 1	3200	<b>1 922,-</b>
FHVT 704 EC COI 80 bar*	6,6	4,9	20,2	4 x 254 / 31 / 1	4200	<b>2 133,-</b>
FHVT 713 EC COI 80 bar*	7,4	5,5	20,2	3 x 300 / 60 / 1	4800	<b>2 477,-</b>

\* Until stocks last



### SOLENOID EXPANSION VALVES

Code	Description		Connection	Pressure [bar]	Price [EUR]	
068F5212	DANFOSS	AKV 10P2 expansion valve	Without coil	3/8" / 1/2"	90	160,-
068F5213		AKV 10P3 expansion valve		3/8" / 1/2"	90	160,-
068F4044		AKV 10PS4 expansion valve		3/8" / 1/2"	90	160,-
068F4045		AKV 10PS5 expansion valve		3/8" / 1/2"	90	160,-
068F4046		AKV 10PS6 expansion valve		3/8" x 1/2"	90	160,-
068F4047		AKV 10PS7 expansion valve		1/2" x 5/8"	90	160,-
068F4048		AKV 10PS8 expansion valve		1/2" x 5/8"	90	160,-
018F6732		valve coil AKV 10P 230 V/17 W/50 Hz for AK-CC				39,80



### ELECTRONIC CONTROLLER OF SOLENOID EXPANSION VALVES

Code	Type	Description	Price [EUR]
084B4081	<b>AK-CC 55 Compact</b>	Cold room and superheat controller without display for electronic solenoid or thermostatic expansion valve	356,-
084B4083	<b>AK-CC 55 Single Coil UI</b>	Cold room and superheat controller with display for solenoid expansion valve	518,-
084B4076	<b>AK-UI55 Set</b>	Display for AK-CC 55 with buttons, panel mounting	72,60
084N0036	<b>AKS 12</b>	Temperature sensor Pt1000	30,60
084N0003	<b>AKS 11</b>	Surface temperature sensor Pt1000	32,50
060G5750	<b>AKS 2050</b>	Pressure transducer range: 0 - 60 bar	178,-
060G1034		AKS pressure transducer electric connection with cable 5 m	31,70
060G0008		PG9 electric connection transducer AKS 32R and 2050, IP65	12,70
017-436866		Brazed connection for transducer AKS 2050 G 3/8" - 8 mm ODF (10 mm ODM)	13,20
084B4078		Connecting cable RJ12 to display AK-UI55 Set, cable 3 m	13,10



### ELECTRONIC STEPPER EXPANSION VALVES

Code	Description	Connection	Protection class	Pressure [bar]	Price [EUR]
027H7240	CCMT 3L El. stepper expansion valve, angle fitting	1/2" x 1/2"	IP 67	130	896,-
027H7201	CCMT 4 El. stepper expansion valve, straight fitting	5/8" x 5/8"	IP 67	140	1 065,-
027H7243	CCMT 5L El. stepper expansion valve, angle fitting	1/2" x 1/2"	IP 67	130	938,-
034G7073	PVC cable with connection to valves CCMT and ETS; cable length 2 m				33,30



### ELECTRONIC CONTROLLER OF STEPPER EXPANSION VALVES

Code	Type	Description	Price [EUR]
080G5300	EKE 1A	Superheat controller for el. stepper expansion valves ETS, ETS Colibri, CCMT without display, power supply 24 V AC/DC	181,-
080G5350	EKE 1B	Superheat controller for el. stepper expansion valves ETS, ETS Colibri CCMT without display; Modbus; power supply 24 V AC/DC	236,-
080G5400	EKE 1C	Superheat controller for el. stepper expansion valves ETS, ETS Colibri CCMT without display; Modbus and CAN Bus; power supply 24 V AC/DC	423,-
080G0294	MMIGRS2	Additional LCD display with buttons, panel mounting	177,-
080G0075	ACCCBI	Connecting cable to display MMIGRS2; 1,5 m	5,80
080G0205	ACCPBT	Superheat sensor to EKE; cable length 1,5 m; IP68	8,40
060G5750	AKS 2050	Pressure transducer range: 0 - 60 bar	178,-
060G1034		AKS pressure transducer electric connection with cable 5 m	31,70
060G0008		PG9 electric connection transducer AKS 32R and 2050, IP65	12,70
017-436866		Brazed connection for transducer AKS 2050 G 3/8" - 8 mm ODF (10 mm ODM)	13,20



## ELECTRONIC STEPPER EXPANSION VALVES

Code	Description	Connection	Pressure [bar]	Price [EUR]
EX4-M21	El. stepper expansion valve, straight brazed fitting	10 x 16 mm	90	<b>254,-</b>
EX5-U21		16 x 22 mm	60	<b>254,-</b>
EX6-M21		22 x 28 mm	60	<b>311,-</b>
EX7-M21		28 x 35 mm	60	<b>453,-</b>
EXV-M60	Cable 6 m with connection to el. stepper expansion valves			<b>19,40</b>

## ELECTRONIC STEPPER VALVE CONTROLS

Code	Description	Price [EUR]
EXD-SH1	Superheat controller for el. stepper expansion valves EX, FX and CX with display, power supply 24 V AC/DC	<b>188,-</b>
EXD-SH2	Superheat controller for two el. stepper expansion valves EX, FX and CX with display, power supply 24 V AC/DC	<b>224,-</b>
EXD-M03	Sensor and power connection, 12-core cable, cable 3 m, for EXD controllers	<b>31,80</b>
TP1-NP3	Superheat temperature sensor with 3 m cable for EXD-SH; IP68; range -40÷120°C; dimensions 4 x 40 mm	<b>25,80</b>
PT5N-50M	Pressure transducers (0÷50 bar) 4÷20 mA, IP67, sensor fitting 1/4" SAEf, without electric connector	<b>105,-</b>
PT4-M15	Electric connector to TP5N-50M with cable 1,5 m	<b>9,20</b>

## TRANSFORMERS

Code	Description			Price [EUR]
	Primary voltage	Secondary voltage	Power	
TZB20/ZZ	230 V	24 V	20 VA	<b>25,-</b>
PSS 20N	230 V	24 V	21 VA	<b>34,20</b>
ECT-323	230 V	24 V	25 VA	<b>28,70</b>
ECT-623	230 V	24 V	60 VA	<b>32,50</b>



## SOLENOID VALVES without coil or electric connector

Code	Description/Connection	Type	Q <sub>ZN</sub> [kW]	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]	
<b>1048EL/4S</b>	CASTEL	1/2" (12,0 mm) brazed	NC	64,3	2,4	60	<b>71,-</b>
<b>1048EL/5S</b>		5/8" (16,0 mm) brazed	NC	80,4	3,0	60	<b>86,90</b>
<b>1058EL/7S</b>		7/8" (22,0 mm) brazed	NC	152,8	5,7	60	<b>164,-</b>
<b>HF3/9320/RA6</b>	Coil for solenoid valves, 12 W, power supply 220-230 V AC 50-60 Hz					<b>25,60</b>	
9150/R02	18/PG11 Electric connector for coil HF3/9320/RA6					<b>1,70</b>	



**CHECK VALVES**

Code		Description/Connection		Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]
CV3/M10MP	GMC	10 mm	Cu	1,4	62	<b>24,80</b>
CV3/5MP		5/8" (15,9 mm)	Cu	3,6	62	<b>32,80</b>
CV3/7MP		7/8" (22,4 mm)	Cu	5,5	62	<b>41,40</b>
3132W/M12	CASTEL	12 mm	Cu	1,8	50	<b>22,80</b>
3132W/M18		18 mm	Cu	5,0	50	<b>35,10</b>
3144W/7		7/8" (22,4 mm)	Cu	8,1	50	<b>65,80</b>
3132W/7		7/8" (22,4 mm)	Cu	5,0	50	<b>39,90</b>
3144W/9		1 1/8" (28,7 mm)	Cu	10,4	50	<b>71,-</b>
3144W/M28		28 mm	Cu	10,4	50	<b>71,-</b>
3145EW/M28		28 mm	Cu	10,4	80	<b>86,90</b>
3144W/11		1 3/8" (35,2 mm)	Cu	15,6	50	<b>110,-</b>
3145EW/11		1 3/8" (35,2 mm)	Cu	15,6	80	<b>128,-</b>
3144W/17		2 1/8" (54,0 mm)	Cu	39,0	50	<b>300,-</b>
3144W/21		2 5/8" (66,8 mm)	Cu	39,0	45	<b>319,-</b>
3144W/25		3 1/8" (79,8 mm)	Cu	39,0	45	<b>371,-</b>
3137E/5		5/8" (15,9 mm)	Cu K65	3,3	120	<b>62,50</b>
3147EW/7		7/8" (22,4 mm)	Cu K65	8,1	120	<b>120,-</b>
3147EW/9		1 1/8" (28,7 mm)	Cu K65	10,4	120	<b>146,-</b>
3147E/11	1 3/8" (35,2 mm)	Cu K65	15,6	120	<b>235,-</b>	



BV...



6590EL/17

**SHUT-OFF BALL VALVES**

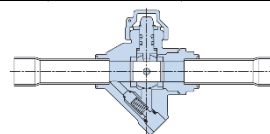
Code		Description/Connection		Ball port [mm]	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]
6570EL/M6	CASTEL	6 mm	Cu	10	0,8	60	<b>27,20</b>
BVM10MP <sup>1)</sup>	GMC	10 mm	Cu	12	3,2	62	<b>29,90</b>
BVM12MP <sup>1)</sup>		12 mm	Cu	12	6,0	62	<b>29,90</b>
BV4MP <sup>1)</sup>		1/2" (12,0 mm)	Cu	12	6,0	62	<b>29,90</b>
BV5MP <sup>1)</sup>		5/8" (16,0 mm)	Cu	12	14,2	62	<b>34,10</b>
BV6MP <sup>1)</sup>		3/4" (19,0 mm)	Cu	20	18,0	62	<b>42,70</b>
BV7MP <sup>1)</sup>		7/8" (22,4 mm)	Cu	20	27,5	62	<b>48,40</b>
BV9MP <sup>1)</sup>		1 1/8" (28,7 mm)	Cu	25	40,5	62	<b>61,20</b>
BVM28MP <sup>1)</sup>		28 mm	Cu	25	40,5	62	<b>61,20</b>
BV11MP <sup>1)</sup>		1 3/8" (35,2 mm)	Cu	32	67,5	62	<b>110,-</b>
BVM42MP <sup>1)</sup>		42 mm	Cu	38	115,0	62	<b>139,-</b>
6590EL/17	CASTEL	2 1/8" (54,0 mm)	Cu	50	214,0	60	<b>192,-</b>

<sup>1)</sup> With brass cap and gasket



**SHUT-OFF BALL VALVES - continued**

Code		Description/Connection		Ball port [mm]	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]	
BV5K	GMC	5/8" (16,0 mm)	Cu K65	brazed	12	14,2	130	<b>47,10</b>
BV7K		7/8" (22,4 mm)	Cu K65		18	25,0	130	<b>85,60</b>
BV9K		1 1/8" (28,7 mm)	Cu K65		24	40,5	130	<b>99,80</b>
BV11K		1 3/8" (35,2 mm)	Cu K65		31	67,0	130	<b>152,-</b>
BV13K		1 5/8" (41,3 mm)	Cu K65		38	115,0	130	<b>229,-</b>
BV5HP		5/8" (16,0 mm)	stainless st.	welded	12	14,2	140	<b>51,40</b>
BV7HP		7/8" (22,4 mm)	stainless st.		18	25,0	140	<b>94,10</b>
BVM28HP		28 mm	stainless st.		24	40,5	140	<b>103,-</b>
BV11HP		1 3/8" (35,2 mm)	stainless st.		31	67,0	140	<b>157,-</b>
BVM42HP		42 mm	stainless st.		38	115,0	140	<b>229,-</b>



**SHUT-OFF BALL VALVES WITH INTEGRAL PRESSURE RELIEF**

Code		Description/Connection		Ball port [mm]	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]	
EBVT-PR-10MM <sup>1)</sup>	PARKER	10,0 mm	Cu K65	brazed	12,7	3,7	90	<b>145,-</b>
EBVT-PR-1040 <sup>1)</sup>		1/2" (12,0 mm)	Cu K65		12,7	6,0	90	<b>131,-</b>
EBVT-PR-1050 <sup>1)</sup>		5/8" (16,0 mm)	Cu K65		12,7	12,0	90	<b>107,-</b>
EBVT-PR-1060 <sup>1)</sup>		3/4" (19,0 mm)	Cu K65		19,1	18,1	90	<b>169,-</b>
EBVT-PR-1070 <sup>1)</sup>		7/8" (22,4 mm)	Cu K65		19,1	26,2	90	<b>172,-</b>
EBVT-PR-1090 <sup>1)</sup>		1 1/8" (28,7 mm)	Cu K65		25,4	53,0	90	<b>218,-</b>

<sup>1)</sup> With brass cap and gasket and service valve



BVT...K

**3-WAY BALL VALVES without actuator**

Code		Description/Connection		Ball port [mm]	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]		
BVT7K	GMC	7/8" (22,4 mm)	Cu K65	brazed	18	8,0	120	<b>172,-</b>	
BVT9K		1 1/8" (28,7 mm)	Cu K65		24	15,0	120	<b>186,-</b>	
BVT11K		1 3/8" (35,2 mm)	Cu K65		28	20,5	120	<b>229,-</b>	
BVT13K		1 5/8" (41,3 mm)	Cu K65		37	39,0	120	<b>286,-</b>	
BVT7I		7/8" (22,4 mm)	stainless st.	welded	18	8,0	120	<b>172,-</b>	
BVTM28I		28 mm	stainless st.		24	15,0	120	<b>186,-</b>	
BVT11I		1 3/8" (35,2 mm)	stainless st.		28	20,5	120	<b>229,-</b>	
BVTM42I		42 mm	stainless st.		37	39,0	120	<b>286,-</b>	
AMBV2		Adapter for valves BVT7, BVT9 and BVTM28 actuator controlled						<b>42,40</b>	
AMBV4		Adapter for valves BVT11, BVT13 and BVTM42 actuator controlled						<b>42,40</b>	



CSV...SHP



VHU...HP

**SHUT-OFF/SERVICE VALVES**

Code	Type	Description/Connection				Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]	
		Inlet		Outlet					
VHU2-2HP <sup>1)</sup>	GMC	capped	1/4" SAE	screwed	1/4" SAE	screwed	0,27	140	<b>14,30</b>
VHU2-2SHP <sup>1)</sup>			1/4" (6,4)	brazed	1/4" SAE	screwed	0,45	140	<b>14,30</b>
CSV2SHP <sup>1)</sup>			1/4" (6,4)	brazed	1/4" (6,4)	brazed	0,4	120	<b>21,40</b>
CSV3SHP <sup>1)</sup>			3/8" (9,8)		3/8" (9,8)		1,0	120	<b>21,40</b>
CSV4SHP <sup>1)</sup>			1/2" (12,7)		1/2" (12,7)		1,5	120	<b>21,40</b>

<sup>1)</sup> With brass cap and gasket



**SAFETY VALVES**

Code		Description/Connection	Pressure [bar]	Price [EUR]
3061/4C-21	CASTEL	Safety valve, 1/2" NPT x 1/2" G	21	<b>27,40</b>
3061/4C-28		Safety valve, 1/2" NPT x 1/2" G	28	<b>27,40</b>
3061/3C-28		Safety valve, 3/8" NPT x 1/2" G	28	<b>27,40</b>
3065/4C-16		Safety valve, 1/2" NPT x 1" G	16	<b>63,20</b>
3065/4C-21		Safety valve, 1/2" NPT x 1" G	21	<b>63,30</b>
3065/4C-28		Safety valve, 1/2" NPT x 1" G	28	<b>63,20</b>
3065/4C-40		Safety valve, 1/2" NPT x 1" G	40	<b>65,50</b>
3065/4C-50		Safety valve, 1/2" NPT x 1" G	50	<b>65,50</b>
3065/4C-60		Safety valve, 1/2" NPT x 1" G	60	<b>65,50</b>
3030E/410C-120		Safety valve, 1/2"NPT x 1 1/4" G	120	<b>324,-</b>



# VALVES



## SHUT-OFF VALVES FOR SAFETY VALVES

Code	Description/Connection	Kv [m <sup>3</sup> /h]	Pressure [bar]	Price [EUR]	
3064E/22	CASTEL	Shut-off valve for safety valves 1/4" NPT	2,5	120	<b>65,40</b>
3064E/33		Shut-off valve for safety valves 3/8" NPT	5	120	<b>63,80</b>
3064E/44		Shut-off valve for safety valves 1/2" NPT	10	120	<b>65,40</b>
3032E/44		Change-over valve for safety valves 3030E/410C, 3065/4C, 3061/4C	3,3	165	<b>134,-</b>
3035/4		Brazed connection D22 mm ODS x 1/2" NPTf	-	120	<b>9,30</b>
3035/8		Brazed connection D35 mm ODS x 1" NPTf	-	120	<b>18,70</b>
110877		O-ring for valves 3032E/33, 3032E/44	-	-	<b>5,20</b>



## SCHROEDER SERVICE VALVE

Code	Description	Pressure [bar]	Price [EUR]
SVCECO2	GMC Vent with an outer spring	60	<b>1,60</b>
8351/2	CAST. Vent tip for soldering (without vent) 6 mm x 1/4" SAE	120	<b>0,80</b>
8392/A		Cap with gasket for vent	80

# CO<sub>2</sub> FILTERS



4727E/..



4728E/..



## INSPECTIONABLE STRAINERS

Code	Description/Connection			Pressure [bar]	Price [EUR]	
4727E/4	CASTEL	1/2" (12,7 mm)	Cu K65	brazed	120	94,50
4727E/5		5/8" (16,0 mm)	Cu K65		120	94,50
4727E/7		7/8" (22,4 mm)	Cu K65		120	94,50
4727E/9		1 1/8" (28,7 mm)	Cu K65		120	113,-
4727E/11		1 3/8" (35,2 mm)	Cu K65		120	151,-
4728E/M22	CASTEL	22 mm	stainless st.	welded	120	106,-
4728E/M28		28 mm	stainless st.		120	120,-
4728E/M35		35 mm	stainless st.		120	149,-



CSR.MP



## FILTERS (with replaceable core)

Code	Description/Connection			Quantity x core type	Pressure [bar]	Price [EUR]
CSR485MP	GMC	5/8" (16,0 mm)	Cu	1 szt. x H48	62	131,-
CSR487MP		7/8" (22,4 mm)	Cu	1 szt. x H48	62	128,-
CSR489MP		1 1/8" (28,7 mm)	Cu	1 szt. x H48	62	128,-
CSR4811MP		1 3/8" (35,2 mm)	Cu	1 szt. x H48	62	128,-
CSR48M42MP		42 mm	Cu	1 szt. x H48	62	129,-
4411E/17AF	CASTEL	2 1/8" (54,0 mm)	steel	1 szt. x H48	62	164,-



## FILTER CORES

Code	Description		Price [EUR]
CSR48	GMC	H48, dehydrating	10,20
CSR48A		H48, dehydrating, deacidificating	11,-
MFC48		H48, strainer	21,60
4490/A <sup>1)</sup>	CASTEL	H48, dehydrating	10,90
4490/AA <sup>1)</sup>		H48, dehydrating, deacidificating	11,90
4490/BA <sup>1)</sup>		H48, Deacidificating (burn out)	12,60
4495/C <sup>1)</sup>		H48, strainer	22,70
111135	gasket for Castel H48 cores for CO <sub>2</sub> applications		3,70

<sup>1)</sup> Gasket 111135 required for CO<sub>2</sub> applications



## SIGHT GLASSES



### SIGHT GLASSES with moisture indication

Code		Description/Connection			Pressure [bar]	Price [EUR]
MIM10SMP	GMC	10 mm	Cu	brazed	62	<b>18,80</b>
MIM12SMP		12 mm	Cu		62	<b>19,40</b>
MI5SMP		5/8" (16,0 mm)	Cu		62	<b>21,40</b>
MI7SMP		7/8" (22,4 mm)	Cu		62	<b>37,70</b>
MI9SMP		1 1/8" (28,7 mm)	Cu		62	<b>44,-</b>

## PRESSURE TRANSDUCERS



AKS-2050



060G1034



Code		Description	Pressure [bar]	Price [EUR]
060G5750	DANFOSS	AKS-2050 ratiometric pressure transducer 10-90% Vz, sensor fitting G 3/8" A, max. operating pressure 100 bar, without el. connector	0 - 60	<b>178,-</b>
060G5752		AKS-2050 ratiometric pressure transducer 10-90% Vz, sensor fitting G 3/8" A, max. operating pressure 250 bar, without el. connector	0 - 160	<b>235,-</b>
060G1034		Connector for pressure transducers AKS with cable 5 m		<b>31,70</b>
017-436866		Brazed connection for transducer AKS 2050 G 3/8" - 8 mm ODF (10 mm ODM)		<b>13,20</b>



# MANIFOLDS



K-PF2ML/D5-4-COS



3COSS/4-4/60

## MANIFOLDS + HOSES



Code	Description	Pressure [bar]	Price [EUR]
K-PF2ML/D5-4-COS	2-way piston valve manifold station in case, pressure gauges 80 mm cl. 1.0, hoses 1500 mm (3x1/4"SAE)	-1 ÷ 100, 0 ÷ 160	<b>378,-</b>
3COSS/4-4/60	Set of hoses 1/4"SAE (3 pc.), 1500 mm	200	<b>123,-</b>



## ELEKTRONICZNY PRZYRZĄD POMIAROWY (stacja manometrów)



Code	Description	Pressure [bar]	Price [EUR]
FOX-R744	FOX-R744 digital manifold (pressure gauge station) + 2 temperature sensors K type thermocouple + battery 9 V + case	200	<b>522,-</b>



## MANOMERY TABLICOWE



Code	Description	Pressure [bar]	Price [PLN]
30841992	Panel glycerine pressure gauge 63 mm, cl. 1.6	0 ÷ 35	<b>180,-</b>
30841984	Panel glycerine pressure gauge 63 mm, cl. 1.6	0 ÷ 60	<b>186,-</b>



# REFRIGERANT LEAK DETECTORS



D-TEK Stratus



D-TEK 3 CO2

## ELECTRONIC LEAK DETECTORS



Code	Description	Price [EUR]
D-TEK Stratus <sup>1)</sup>	Leak detector for R22, R32, R134a, R404a, R407C R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50) R1234yf, CO <sub>2</sub> (change of sensor required), ammonia, SF6 and all CFC, HCFC, HFC and HFO – LCD screen, long-life infrared sensor, sensitivity 1 g/year according to EN14624, Li-ion battery, power supply AC/DC, car charger, USB, spare filters, very long probe, earphones, plastic case	<b>1 279,-</b>
D-TEK 3 CO2	Leak detector for R744, with replaced sensor also for R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf, NH3, SF6 and all CFC, HCFC, HFC and HFO – sensor dedicated for CO <sub>2</sub> , sensitivity 2 g/year according to EN14624, Li-ion battery (about 10 h), sensitivity level can be set, automatic and manual reset modes, charger AC, USB, spare filters, plastic case	<b>885,-</b>
724-701-G2	Inficon replaceable CO <sub>2</sub> sensor for electronic leak detector D-TEK 3 and D-TEK Stratus	<b>348,-</b>
716-701-G1*	Replaceable IR sensor for electronic leak detector D-TEK CO2	<b>288,-</b>

<sup>1)</sup> In case of CO<sub>2</sub> application, change sensor to 724-701-G2

\* Until stocks last

## CHEMICAL PRODUCTS



### CHEMICAL PRODUCTS Carly



Code	Description	Price [EUR]
TESTOIL-3P-CO2	Oil acidity test PAG, PAO, POE for CO <sub>2</sub> installations	<b>26,80</b>





## K65 HARD HVAC TUBES IN STRAIGHT LENGTHS



**Wieland**

**K65®**

Copper HVAC tubes K65 - EN 12735-1, Cu 99,9%, dehydrated, cleaned, plugged.  
Operating pressure 120 bar - PL 875 (straight lengths 5 m)

Code	Outer dia. [inch ~ mm] x wall thickness [mm]	Hardness	Pressure [bar]	Price [PLN]/[m]
80-RSZ-5/8"	5/8" ~ 15,87 x 0,63	R-420	80	<b>37,60</b>
80-RSZ-3/4"	3/4" ~ 19,05 x 0,76	R-300	80	<b>54,70</b>
80-RSZ-7/8"	7/8" ~ 22,23 x 0,89	R-300	80	<b>71,-</b>
80-RSZ-1,1/8"	1,1/8" ~ 28,57 x 1,20	R-300	80	<b>120,-</b>
80-RSZ-1,3/8"	1,3/8" ~ 34,92 x 1,47	R-300	80	<b>179,-</b>
80-RSZ-1,5/8"	1,5/8" ~ 41,27 x 1,74	R-300	80	<b>248,-</b>
120-RSZ-5/8"	5/8" ~ 15,87 x 0,93	R-420	120	<b>52,-</b>
120-RSZ-3/4"	3/4" ~ 19,05 x 1,18	R-300	120	<b>75,-</b>
120-RSZ-7/8"	7/8" ~ 22,23 x 1,38	R-300	120	<b>103,-</b>
120-RSZ-1,1/8"	1,1/8" ~ 28,57 x 1,77	R-300	120	<b>169,-</b>
120-RSZ-1,3/8"	1,3/8" ~ 34,92 x 2,16	R-300	120	<b>252,-</b>
120-RSZ-1,5/8"	1,5/8" ~ 41,27 x 2,55	R-300	120	<b>352,-</b>

COPPER PRICES ARE FLUCTUATING. PLEASE CHECK IN THE CURRENT PRICE LIST AVAILABLE ON OUR WEBSITE.

## R-290 HARD HVAC TUBES IN STRAIGHT LENGTHS

Code	Outer dia. [inch ~ mm] x wall thickness [mm]	Hardness	Pressure [bar]	Price [PLN]/[m]
M-RSZ-290-3/8"-M	3/8" ~ 9,53 x 0,76	R-290	97	<b>22,20</b>
M-RSZ-290-1/2"-M	1/2" ~ 12,70 x 0,76	R-290	72	<b>29,10</b>









# COPPER FITTINGS K65



**Wieland**

**K65<sup>®</sup>**

## COPPER FITTINGS K65

Type	Code	Description	Size [inch]		Pressure [bar]	Price [PLN]
			1	2		
<b>Elbows 90° 2-flaring</b>  	CO2-ŁUK-3/8"	Elbow 90° K65	3/8"	-	130	<b>12,20</b>
	CO2-ŁUK-1/2"	Elbow 90° K65	1/2"	-	130	<b>17,40</b>
	CO2-ŁUK-5/8"	Elbow 90° K65	5/8"	-	130	<b>22,50</b>
	CO2-ŁUK-3/4"	Elbow 90° K65	3/4"	-	130	<b>34,90</b>
	CO2-ŁUK-7/8"	Elbow 90° K65	7/8"	-	130	<b>46,60</b>
	CO2-ŁUK-1,1/8"	Elbow 90° K65	1,1/8"	-	130	<b>77,90</b>
	CO2-ŁUK-1,3/8"	Elbow 90° K65	1,3/8"	-	130	<b>131,-</b>
	CO2-ŁUK-1,5/8"	Elbow 90° K65	1,5/8"	-	130	<b>201,-</b>
<b>Elbows 45° 2-flaring</b>  	CO2-ŁUK-3/8"-45°	Elbow 45° K65	3/8"	-	130	<b>34,80</b>
	CO2-ŁUK-1/2"-45°	Elbow 45° K65	1/2"	-	130	<b>40,50</b>
	CO2-ŁUK-5/8"-45°	Elbow 45° K65	5/8"	-	130	<b>46,30</b>
	CO2-ŁUK-3/4"-45°	Elbow 45° K65	3/4"	-	130	<b>58,60</b>
	CO2-ŁUK-7/8"-45°	Elbow 45° K65	7/8"	-	130	<b>66,90</b>
	CO2-ŁUK-1,1/8"-45°	Elbow 45° K65	1,1/8"	-	130	<b>76,60</b>
	CO2-ŁUK-1,3/8"-45°	Elbow 45° K65	1,3/8"	-	130	<b>111,-</b>
	CO2-ŁUK-1,5/8"-45°	Elbow 45° K65	1,5/8"	-	130	<b>170,-</b>
<b>Elbows 90° 1-flaring</b>  	CO2-ŁUK-N-3/8"	Street elbow 90° K65	3/8"	-	130	<b>25,90</b>
	CO2-ŁUK-N-1/2"	Street elbow 90° K65	1/2"	-	130	<b>19,30</b>
	CO2-ŁUK-N-5/8"	Street elbow 90° K65	5/8"	-	130	<b>22,-</b>
	CO2-ŁUK-N-3/4"	Street elbow 90° K65	3/4"	-	130	<b>34,90</b>
	CO2-ŁUK-N-7/8"	Street elbow 90° K65	7/8"	-	130	<b>45,60</b>
	CO2-ŁUK-N-1,1/8"	Street elbow 90° K65	1,1/8"	-	130	<b>75,60</b>
	CO2-ŁUK-N-1,3/8"	Street elbow 90° K65	1,3/8"	-	130	<b>132,-</b>
	CO2-ŁUK-N-1,5/8"	Street elbow 90° K65	1,5/8"	-	130	<b>201,-</b>
<b>Elbows 45° 1-flaring</b>  	CO2-ŁUK-N-3/4"-45°	Street elbow 45° K65	3/4"	-	130	<b>57,40</b>
	CO2-ŁUK-N-7/8"-45°	Street elbow 45° K65	7/8"	-	130	<b>65,70</b>
	CO2-ŁUK-N-1,1/8"-45°	Street elbow 45° K65	1,1/8"	-	130	<b>75,-</b>
	CO2-ŁUK-N-1,3/8"-45°	Street elbow 45° K65	1,3/8"	-	130	<b>107,-</b>
	CO2-ŁUK-N-1,5/8"-45°	Street elbow 45° K65	1,5/8"	-	130	<b>166,-</b>

## COPPER FITTINGS K65 - continued

Type	Code	Description	Size [inch]		Pressure [bar]	Price [PLN]
			1	2		
<b>Couplers</b> 	CO2-MUFA-3/8"	Coupler K65	3/8"	-	130	<b>13,60</b>
	CO2-MUFA-1/2"	Coupler K65	1/2"	-	130	<b>13,60</b>
	CO2-MUFA-5/8"	Coupler K65	5/8"	-	130	<b>14,40</b>
	CO2-MUFA-3/4"	Coupler K65	3/4"	-	130	<b>18,70</b>
	CO2-MUFA-7/8"	Coupler K65	7/8"	-	130	<b>24,40</b>
	CO2-MUFA-1,1/8"	Coupler K65	1,1/8"	-	130	<b>37,60</b>
	CO2-MUFA-1,3/8"	Coupler K65	1,3/8"	-	130	<b>63,90</b>
	CO2-MUFA-1,5/8"	Coupler K65	1,5/8"	-	130	<b>106,-</b>
<b>Coupling reducers</b> 	CO2-M-RED-1/2"-3/8"	Coupling reducer K65	1/2"	3/8"	130	<b>28,10</b>
	CO2-M-RED-5/8"-1/2"	Coupling reducer K65	5/8"	1/2"	130	<b>28,10</b>
	CO2-M-RED-3/4"-5/8"	Coupling reducer K65	3/4"	5/8"	130	<b>30,70</b>
	CO2-M-RED-7/8"-3/4"	Coupling reducer K65	7/8"	3/4"	130	<b>37,80</b>
	CO2-M-RED-1,1/8"-7/8"	Coupling reducer K65	1,1/8"	7/8"	130	<b>53,50</b>
	CO2-M-RED-1,3/8"-7/8"	Coupling reducer K65	1,3/8"	7/8"	130	<b>104,-</b>
	CO2-M-RED-1,3/8"-1,1/8"	Coupling reducer K65	1,3/8"	1,1/8"	130	<b>94,40</b>
	CO2-M-RED-1,5/8"-1,1/8"	Coupling reducer K65	1,5/8"	1,1/8"	130	<b>143,-</b>
	CO2-M-RED-1,5/8"-1,3/8"	Coupling reducer K65	1 5/8"	1,3/8"	130	<b>137,-</b>
<b>Bushings</b> 	CO2-N-RED-1/2"-3/8"	Bushing K65	1/2"	3/8"	130	<b>11,10</b>
	CO2-N-RED-5/8"-3/8"	Bushing K65	5/8"	3/8"	130	<b>18,90</b>
	CO2-N-RED-5/8"-1/2"	Bushing K65	5/8"	1/2"	130	<b>20,80</b>
	CO2-N-RED-3/4"-1/2"	Bushing K65	3/4"	1/2"	130	<b>37,70</b>
	CO2-N-RED-3/4"-5/8"	Bushing K65	3/4"	5/8"	130	<b>16,40</b>
	CO2-N-RED-7/8"-1/2"	Bushing K65	7/8"	1/2"	130	<b>42,70</b>
	CO2-N-RED-7/8"-3/4"	Bushing K65	7/8"	3/4"	130	<b>24,70</b>
	CO2-N-RED-1,1/8"-3/4"	Bushing K65	1,1/8"	3/4"	130	<b>41,30</b>
	CO2-N-RED-1,1/8"-7/8"	Bushing K65	1,1/8"	7/8"	130	<b>35,20</b>
	CO2-N-RED-1,3/8"-1,1/8"	Bushing K65	1,3/8"	1,1/8"	130	<b>56,60</b>
	CO2-N-RED-1,5/8"-1,3/8"	Bushing K65	1 5/8"	1,3/8"	130	<b>76,-</b>
<b>Tees</b> 	CO2-TR-3/8"	Tee K65	3/8"	-	130	<b>22,90</b>
	CO2-TR-1/2"	Tee K65	1/2"	-	130	<b>22,-</b>
	CO2-TR-5/8"	Tee K65	5/8"	-	130	<b>30,30</b>
	CO2-TR-3/4"	Tee K65	3/4"	-	130	<b>46,30</b>
	CO2-TR-7/8"	Tee K65	7/8"	-	130	<b>60,40</b>
	CO2-TR-1,1/8"	Tee K65	1,1/8"	-	130	<b>97,40</b>
	CO2-TR-1,3/8"	Tee K65	1,3/8"	-	130	<b>157,-</b>
	CO2-TR-1,5/8"	Tee K65	1,5/8"	-	130	<b>226,-</b>