

Lösemitteldestillation

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K30



K30

Beschreibung / Description

Gebaut gemaess Richtlinie 89/392 EWG.
Ausfuehrung EExd IIBT3-IP55.
Geeignet fuer die Rueckgewinnung aller verschmutzter Loesungs- und Verduennungs-
mittel durch Destillation.
Vollautomatischer Betrieb basierend auf die Ableseung der Loesemitteldampfe. Dop-
pelwandiger Loesemittelbehaelter aus Chrom-Nickel-Stahl nach DIN 1.4301.
Indirekte Heizung durch Diathermikoelin geschlossenem Kreislauf.
Abkuehlung der Daempfe mittels Luft/Luft Austauschers.

Manufactured according to directive 89/392/EEC.

Execution EExd IIBT3-IP55.

Suitable for recovering all exhausted solvents and thinners through distillation.

Full automatic working system based on solvent steam reading. Double-walled solvent
tank in AISI 304 stainless steel.

Indirect heating by diathermic oil in closed circuit. Steam cooling by air/air condensing
coil.

Technische Daten / Technical data

Kapazität / Capacity	37 lt.
Leistung Heizung / Heating power	2,5 kW
Zyklusdauer h / Cycle length h	3 - 5
Abmessungen / Dimensions	66x90x126 cm
Gewicht / Weight	96 kg

* Änderungen und Irrtümer vorbehalten, alle Preise zzgl. Verpackung und Mwst.

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Lösemittel-Liste

LÖSEMITTEL	SIEDEPUNKT °C	SPEZIFISCHES GEWICHT bei 20°C	DAMPFDRUCK bei 20°C mm Hg	FLAMMPUNKT °C	RELATIVE FLÜCHTIGKEIT (ÄTHER=1)
Aceton	56,1	0,792	178	- 17	2,1
Äthylacetat	77	0,900	72,8	+ 2	2,9
Äthylalkohol	78	0,840	45	+ 14	8,3
Äthyläther	34-35	0,722	422	- 40	1
Äthylglykol	135	0,932	4,5	+ 40	43
Äthylglykolacetat	156,4	0,972	1,2	+ 49	47
Butylacetat n.	126,3	0,882	10	+ 25	11,8
Butylacetat sec.	112,2	0,870	-	+ 19	12
Butylalkohol	117	0,810	5	+ 46	33
Cyclohexan	81	0,783	3,1	- 12	5
Cyclohexanol	161	0,945	-	+ 68	103
Cyclohexanon	156	0,947	4	+ 54	40,4
Dekalin	180-190	0,890	-	+ 57	-
Dichloräthan	84-84	1,255	64	+ 21	-
Dichlorpropan	96,4	1,156	36	+ 21	-
Dimethylformamid	153	0,953	3,5	+ 57	-
Isobutylacetat	117	0,871	12,8	+ 18	7,7
Isobutylalkohol	107	0,805	8,8	+ 38	24
Isopropylacetat	89,4	0,869	63	0	4,2
Isopropylalkohol	82	0,786	32,9	+ 22	21
Methylacetat	57	0,932	170	- 13	2,2
Methylalkohol	65	0,792	96	+ 5,5	53
Methyläthylketon	78-85	0,820	65	+ 14	5,3
Methylenchlorid	40-42	1,323	349	unentflammbar	1,8
Methylglykolacetat	138	1,001	7,3	+ 44	35
Perchloräthylen	121	1,623	14	unentflammbar	11
Propylacetat	97-102	0,887	25	+ 12	6,1
Solvesso 100	157-180	0,88	4,1	+ 43	
Solvesso 150	183-210	0,9	0,3	+ 66	
Toluolo	109,5-110	0,866	22	+ 7	5,1
Trichloräthan 111	70-88	1,320	100	- 95	-
Trichloräthylen	87	1,464	56	unentflammbar	3,8
Xylol	137-139	0,854	10	+ 23	

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Thinner and solvent list

THINNER AND SOLVENT	BOILING POINT °C	GRAVITY AT 20/4°C	VAPOUR TENSION AT 20°C IN mm	FLASH POINT °C	RELATIVE VOLATILITY
Aceton	56,1	0,792	178	- 17	2,1
Butyl acetate sec.	112,2	0,870	-	+ 19	12
Butyl acetate n.	126,3	0,882	10	+ 25	11,8
Butyl alcohol	117	0,810	5	+ 46	33
Butyl alcohol sec.	99,5	0,808	-	+ 24	20
Butylglycol	161-182	0,907	-	+ 60	-
Cyclohexane	81	0,783	3,1	- 12	5
Cyclohexanol	161	0,945	-	+ 68	103
Cyclohexanone	156	0,947	4	+ 54	40,4
Decalin	180-190	0,890	-	+ 57	-
Diacetonolcohol	150-165	0,938	10	+ 52	147
Dichlorethane	84-84	1,255	64	+ 21	-
Dichloropropane	96,4	1,156	36	+ 21	-
Diesel oil solvent	120-180	0,874-0,910	-	+ 22-32	-
Diethylenic glycol	240-250	1,120	-	+ 143	-
Dimethylformamide	153	0,953	3,5	+ 57	-
Dipentene	175-195	0,840-0,850	-	+ 43	-
Ethyl acetate	77	0,900	72,8	+ 2	2,9
Ethyl alcohol	78	0,840	45	+ 14	8,3
Ethyl ether	34-35	0,722	422	- 40	1
Ethylenic glycol	135	0,932	4,5	+ 40	43
Ethyl-glycol acetate	156,4	0,972	1,2	+ 49	47
Ethylsiliceous alcohol	183,5	0,830	0,05	+ 27	-
Freon 112	92,8				
Isobutyl acetate	117	0,871	12,8	+ 18	7,7
Isobutyl alcohol	107	0,805	8,8	+ 38	24
Isoforone	205-216	0,920	-	-	-
Isopropyl acetate	89,4	0,869	63	0	4,2
Isopropyl alcohol	82	0,786	32,9	+ 22	21
Methyl alcohol	65	0,725	96	+ 5,5	53
Methyl chloride	40-60	1,369-1,375	-	uninflamm.	2
Methylacetate	57	0,932	170	- 13	2,2
Methylene chloride	40-42	1,323	349	uninflamm.	1,8
Methylethylketone	78-85	0,820	65	+ 14	5,3
Methyl-glycol-acetate	138	1,001	7,3	+ 44	35
Methylisobutylketone	115,9	0,800	15,2	+ 14	8,7
Monoglycol acetate	178	1,109	-	+ 102	806
Mononitrobenzol	211	1,205	44,4	+ 89-90	-
Nitro thinner		0,903			
Perchloroethylene	121	1,623	14	uninflamm.	11
Pine oil	160-180	0,86-0,88	-	+ 35	-
Propyl acetate	97-102	0,887	25	+ 12	6,1
Pure spirits of turpentine	150-175	0,862	-	+ 32	-
Solvesso 100	157-180	0,88	4,1	+ 43	-
Solvesso 150	183-210	0,9	0,3	+ 66	-
Tetrachlorethane	145	1,600	5	-	33
Tetraline	205	0,975	-	+ 80	190
Toluene	109,5-110	0,884	22	+ 7	5,1
Trichlorethylene	87	1,464	56	uninflamm.	3,8
Trichloroethane	70-88	1,320	100	- 95	-
White spirit	130-180	0,70-0,82	-	+ 25,5	-
Xylene	137-139	0,854	10	+ 23	-

Solvent Recovery

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K30

Solvent Recovery
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Description

The K30 has been manufactured according to the directive 89/392/EEC. Execution EExd IIBT3-IP55.

It is used for the recovery of all exhausted solvents and thinners through distillation. The fully automated working system is based on a solvent vapor reading. The double walled solvent tank is made of Chromium-Nickel-Steel acc. to DIN 1.4301.

It is indirectly heated by a diathermic oil in a closed circuit. The vapor is cooled by a

Technical data

Capacity	37 lt.
Heating power	2,5 kW
Cycle length h	3 - 5
Dimensions	66x90x126 cm
Weight	96 kg

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Thinner and solvent list

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Butylglycol	161-182	0,907	-	+ 60	-
Cyclohexane	81	0,783	3,1	- 12	5
Cyclohexanol	161	0,945	-	+ 68	103
Cyclohexanone	156	0,947	4	+ 54	40,4
Decalin	180-190	0,890	-	+ 57	-
Diacetonolcohol	150-165	0,938	10	+ 52	147
Dichlorethane	84-84	1,255	64	+ 21	-
Dichloropropane	96,4	1,156	36	+ 21	-
Diesel oil solvent	120-180	0,874-0,910	-	+ 22-32	-
Diethylenic glycol	240-250	1,120	-	+ 143	-
Dimethylformamide	153	0,953	3,5	+ 57	-
Dipentene	175-195	0,840-0,850	-	+ 43	-
Ethyl acetate	77	0,900	72,8	+ 2	2,9
Ethyl alcohol	78	0,840	45	+ 14	8,3
Ethyl ether	34-35	0,722	422	- 40	1
Ethylenic glycol	135	0,932	4,5	+ 40	43
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Isopropyl acetate	89,4	0,869	63	0	4,2
Isopropyl alcohol	82	0,786	32,9	+ 22	21
Methyl alcohol	65	0,725	96	+ 5,5	53
Methyl chloride	40-60	1,369-1,375	-	not flammable	2
Methylacetate	57	0,932	170	- 13	2,2
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Methylethylketone	78-85	0,820	65	+ 14	5,3
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Trichloroethane	70-88	1,320	100	- 95	-
White spirit	130-180	0,70-0,82	-	+ 25,5	-
Xylene	137-139	0,854	10	+ 23	-

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