



Filter Drier Shells

Kartuş Kovanları



Introduction

Filter drier shells are important parts of refrigeration and air conditioning systems. They are designed to be used in the suction line and liquid line. Filter drier shells are used to eliminate possible moisture, acid, and particles within the system and prevent malfunction due to these factors.

Application Field

It is recommended to use filter drier shells in all refrigeration and air conditioning systems.

Selection

Filter drier shells should be selected according to connection diameter required for system needs, refrigerant type and capacity.

Technical Specifications

On standard products:

- ODS solder connections are used for inlet & outlet.
- Internal filter holder and its spring are provided with the product.
- Detachable flange provides easy cleaning and check-up.
- Active parts can be replaced when needed.

It is produced in accordance with CE 2014/68/EU [PED] pressure equipment directive.

Warning

- Ensure that the internal filter is correctly positioned and undamaged.
- Flange connections are supplied unassembled.
- Before starting the flange connection assembly, ensure that the gasket channel is clean and undamaged. Carefully place the gasket in the channel, then evenly tighten the bolts according to the specified torque values to complete the assembly.

* Operation with R717 (ammonia)

Our products are generally suitable for Group 1 fluids. For R717 applications, please contact us.

Genel Tanım

Kartuş kovanları, soğutma ve iklimlendirme sistemleri için önemli ekipmanlardır. Hem likit hattı hem de emiş hattında kullanılabilecek şekilde tasarlanmıştır. Kartuş kovanları sistem içerisinde oluşabilecek nem, asit ve kirleri artırmak ve bunların sebep olabileceği arızaları engellemek için kullanılır.

Kullanım Alanı

Tüm soğutma ve iklimlendirme sistemlerinde kullanımı tavsiye edilir.

Seçim

Bağlantı ölçüsü sistem ihtiyaçlarına uyumlu olacak şekilde, soğutucu akışkan türüne ve soğutma kapasitesine göre seçilmelidir.

Teknik Özellikler

Standart ürünlerde;

- Giriş & çıkışlarda ODS bağlantı bulunmaktadır.
 - İç metal filtre tutucu ve yayı ürün ile birlikte temin edilmektedir.
 - Sökülebilir flanş sayesinde temizliği ve kontrolü oldukça kolaydır.
 - Gerektiğinde aktif parçalar değiştirilebilir.
- CE 2014/68/EU [PED] basınçlı kaplar direktifine uygun olarak üretilmektedir.

Uyarılar

- İç filtrenin doğru şekilde yerleştirildiğinden ve zarar görmediğinden emin olunuz.
- Flanş bağlantıları montajsız olarak tedarik edilmektedir.
- Flanş bağlantısını montaja başlamadan önce, conta kanalının temiz ve hasarsız olduğundan emin olunuz. Contayı dikkatlice yerleştirip, ardından civataları belirtilen tork değerlerine göre eşit şekilde sıkarak montajı tamamlayınız.

* R717 (amonyak) ile çalışma

Ürünlerimiz, genel olarak Grup 1 akışkanlar için uygundur. R717 uygulamaları için iletişime geçebilirsiniz.





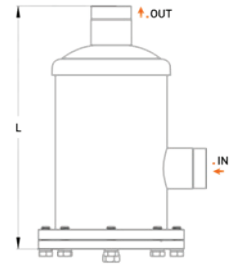
Click the product code for details.
Detaylar için ürün koduna tıklayın.

Filter Drier Shells Kartuş Kovanları

H48.45B

Inlet & Outlet [Inch]	Model	Dimensions [mm]		Core	Volume [L]	Service Conn. [Inch]	Core Data		Refrigerant Flow Capacity Pressure Drop - 0,07bar [kW]					Category [PED]	
		Ø D	L				Surface Area [cm ²]	Vol. [cm ³]	R744	R22	R404A R507	R407C	R410A	Group 2	Group 1
ODS 1/2"	H48.45B.12.1	114	229	1	1,60	1/4" NPTF	420	800	113	74	52	72	77	CAT.I	CAT.II
ODS 5/8"	H48.45B.16.1	114	232	1	1,60	1/4" NPTF	420	800	148	97	68	94	100	CAT.I	CAT.II
ODS 3/4"	H48.45B.19.1	114	236	1	1,60	1/4" NPTF	420	800	186	121	86	118	126	CAT.I	CAT.II
ODS 7/8"	H48.45B.22.1	114	239	1	1,60	1/4" NPTF	420	800	220	144	101	140	149	CAT.I	CAT.II
ODS 1 1/8"	H48.45B.28.1	114	239	1	1,60	1/4" NPTF	420	800	317	207	146	201	214	CAT.I	CAT.II
ODS 1 3/8"	H48.45B.35.1	114	239	1	1,60	1/4" NPTF	420	800	419	274	193	266	283	CAT.I	CAT.II
ODS 42	H48.45B.42.1	114	239	1	1,60	1/4" NPTF	420	800	485	316	224	308	328	CAT.I	CAT.II
ODS 2 1/8"	H48.45B.54.1	114	236	1	1,60	1/4" NPTF	420	800	707	462	326	449	478	CAT.I	CAT.II
ODS 2 5/8"	H48.45B.66.1	114	244	1	1,60	1/4" NPTF	420	800	522	341	241	331	353	CAT.I	CAT.II
ODS 3"	H48.45B.76.1	114	254	1	1,60	1/4" NPTF	420	800	550	359	253	345	371	CAT.I	CAT.II
ODS 3 1/8"	H48.45B.80.1	114	254	1	1,60	1/4" NPTF	420	800	567	370	261	360	383	CAT.I	CAT.II
ODS 7/8"	H48.45B.22.2	114	384	2	2,90	1/4" NPTF	840	1600	205	134	95	130	139	CAT.I	CAT.II
ODS 1 1/8"	H48.45B.28.2	114	384	2	2,90	1/4" NPTF	840	1600	315	206	146	200	213	CAT.I	CAT.II
ODS 1 3/8"	H48.45B.35.2	114	384	2	2,90	1/4" NPTF	840	1600	428	279	197	271	289	CAT.I	CAT.II
ODS 42	H48.45B.42.2	114	384	2	2,90	1/4" NPTF	840	1600	529	345	244	336	357	CAT.I	CAT.II
ODS 2 1/8"	H48.45B.54.2	114	381	2	2,90	1/4" NPTF	840	1600	743	485	343	472	503	CAT.I	CAT.II
ODS 2 5/8"	H48.45B.66.2	114	389	2	2,90	1/4" NPTF	840	1600	560	366	259	356	379	CAT.I	CAT.II
ODS 3"	H48.45B.76.2	114	389	2	2,90	1/4" NPTF	840	1600	592	386	274	376	400	CAT.I	CAT.II
ODS 3 1/8"	H48.45B.80.2	114	389	2	2,90	1/4" NPTF	840	1600	613	400	283	389	414	CAT.I	CAT.II
ODS 1 3/8"	H48.45B.35.3	114	524	3	4,20	1/4" NPTF	1260	2400	253	293	207	285	303	CAT.I	CAT.II
ODS 42	H48.45B.42.3	114	524	3	4,20	1/4" NPTF	1260	2400	299	346	245	336	358	CAT.I	CAT.II
ODS 2 1/8"	H48.45B.54.3	114	521	3	4,20	1/4" NPTF	1260	2400	367	424	300	413	439	CAT.I	CAT.II
ODS 2 5/8"	H48.45B.66.3	114	529	3	4,20	1/4" NPTF	1260	2400	282	326	231	317	338	CAT.I	CAT.II
ODS 3"	H48.45B.76.3	114	539	3	4,20	1/4" NPTF	1260	2400	394	424	333	427	457	CAT.I	CAT.II
ODS 3 1/8"	H48.45B.80.3	114	539	3	4,20	1/4" NPTF	1260	2400	472	492	404	503	539	CAT.I	CAT.II
ODS 1 3/8"	H48.45B.35.4	114	669	4	5,50	1/4" NPTF	1680	3200	264	305	216	297	316	CAT.II	CAT.III
ODS 42	H48.45B.42.4	114	669	4	5,50	1/4" NPTF	1680	3200	309	358	253	348	370	CAT.II	CAT.III
ODS 2 1/8"	H48.45B.54.4	114	666	4	5,50	1/4" NPTF	1680	3200	430	497	351	483	514	CAT.II	CAT.III
ODS 2 5/8"	H48.45B.66.4	114	674	4	5,50	1/4" NPTF	1680	3200	337	390	276	379	404	CAT.II	CAT.III
ODS 3"	H48.45B.76.4	114	689	4	5,50	1/4" NPTF	1680	3200	426	460	359	462	494	CAT.II	CAT.III
ODS 3 1/8"	H48.45B.80.4	114	689	4	5,50	1/4" NPTF	1680	3200	487	508	417	520	557	CAT.II	CAT.III

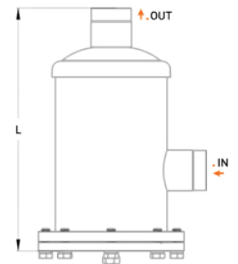
PS	[PS1] 45 Bar	[PS2] 33 Bar
TS	- 20 / + 130°C	- 40 / - 20°C
GAS	HCFC, HFC, R290, R410A, R744, R717*	



H48.60B

Inlet & Outlet [Inch]	Model	Dimensions [mm]		Core	Volume [L]	Service Conn. [Inch]	Core Data		Refrigerant Flow Capacity Pressure Drop - 0,07bar [kW]					Category [PED]	
		Ø D	L				Surface Area [cm ²]	Vol. [cm ³]	R744	R22	R404A R507	R407C	R410A	Group 2	Group 1
ODS 1/2"	H48.60B.12.1	114	241	1	1,60	1/4" NPTF	420	800	113	74	52	72	77	CAT.I	
ODS 5/8"	H48.60B.16.1	114	244	1	1,60	1/4" NPTF	420	800	148	97	68	94	100	CAT.I	
ODS 3/4"	H48.60B.19.1	114	248	1	1,60	1/4" NPTF	420	800	186	121	86	118	126	CAT.I	
ODS 7/8"	H48.60B.22.1	114	251	1	1,60	1/4" NPTF	420	800	220	144	101	140	149	CAT.I	
ODS 1 1/8"	H48.60B.28.1	114	251	1	1,60	1/4" NPTF	420	800	317	207	146	201	214	CAT.I	
ODS 1 3/8"	H48.60B.35.1	114	251	1	1,60	1/4" NPTF	420	800	419	274	193	266	283	CAT.I	
ODS 42	H48.60B.42.1	114	251	1	1,60	1/4" NPTF	420	800	485	316	224	308	328	CAT.I	
ODS 2 1/8"	H48.60B.54.1	114	248	1	1,60	1/4" NPTF	420	800	507	462	326	449	478	CAT.I	
ODS 2 5/8"	H48.60B.66.1	114	266	1	1,60	1/4" NPTF	420	800	522	341	241	331	353	CAT.I	
ODS 7/8"	H48.60B.22.2	114	396	2	2,90	1/4" NPTF	840	1600	205	134	95	130	139	CAT.I	
ODS 1 1/8"	H48.60B.28.2	114	396	2	2,90	1/4" NPTF	840	1600	315	206	146	200	213	CAT.I	
ODS 1 3/8"	H48.60B.35.2	114	396	2	2,90	1/4" NPTF	840	1600	428	279	197	271	289	CAT.I	
ODS 42	H48.60B.42.2	114	396	2	2,90	1/4" NPTF	840	1600	529	345	244	336	357	CAT.I	
ODS 2 1/8"	H48.60B.54.2	114	393	2	2,90	1/4" NPTF	840	1600	507	485	343	472	503	CAT.I	
ODS 2 5/8"	H48.60B.66.2	114	411	2	2,90	1/4" NPTF	840	1600	560	366	259	356	379	CAT.I	

PS	[PS1] 60 Bar	[PS2] 45 Bar
TS	- 20 / + 130°C	- 40 / - 20°C
GAS	R744	



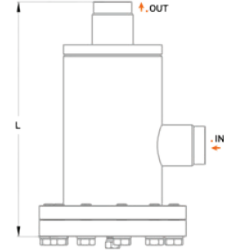
• Condensing temperature 30°C (-5°C / CO2) • Evaporating temperature -15°C (-30°C / CO2) • Yoğuşma sıcaklığı 30°C (-5°C / CO2) • Buharlaştırma sıcaklığı -15°C (-30°C / CO2)



H48.90B

Inlet & Outlet [Inch]	Model	Dimensions [mm]		Core	Volume [L]	Service Conn. [Inch]	Core Data		Refrigerant Flow Capacity Pressure Drop - 0,07bar [kW]					Category [PED]	
		Ø D	L				Surface Area [cm ²]	Vol. [cm ³]	R744	R22	R404A R507	R407C	R410A	Group 2	Group 1
ODS 5/8"	H48.90B.16.1	114	262	1	1,60	1/4" NPTF	420	800	148	97	68	94	100	CAT.I	
ODS 7/8"	H48.90B.22.1	114	272	1	1,60	1/4" NPTF	420	800	220	144	101	140	149	CAT.I	
ODS 1 1/8"	H48.90B.28.1	114	272	1	1,60	1/4" NPTF	420	800	317	207	146	201	214	CAT.I	
ODS 1 3/8"	H48.90B.35.1	114	272	1	1,60	1/4" NPTF	420	800	419	274	193	266	283	CAT.I	
ODS 42	H48.90B.42.1	114	272	1	1,60	1/4" NPTF	420	800	485	316	224	308	328	CAT.I	
ODS 5/8"	H48.90B.16.2	114	402	2	2,80	1/4" NPTF	840	1600	133	87	61	84	90	CAT.II	
ODS 7/8"	H48.90B.22.2	114	412	2	2,80	1/4" NPTF	840	1600	205	134	95	130	139	CAT.II	
ODS 1 1/8"	H48.90B.28.2	114	412	2	2,80	1/4" NPTF	840	1600	315	206	146	200	213	CAT.II	
ODS 1 3/8"	H48.90B.35.2	114	412	2	2,80	1/4" NPTF	840	1600	428	279	197	271	289	CAT.II	
ODS 42	H48.90B.42.2	114	412	2	2,80	1/4" NPTF	840	1600	529	345	244	336	357	CAT.II	

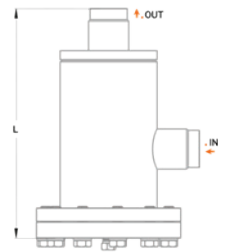
PS	[PS1] 90 Bar	[PS2] 67,5 Bar
TS	- 20 / + 130°C	- 40 / - 20°C
GAS	R744	



H48.130B

Inlet & Outlet [Inch]	Model	Dimensions [mm]		Core	Volume [L]	Service Conn. [Inch]	Core Data		Refrigerant Flow Capacity Pressure Drop - 0,07bar [kW]					Category [PED]	
		Ø D	L				Surface Area [cm ²]	Vol. [cm ³]	R134A	R22	R404A R507	R407C	R410A	Group 2	Group 1
ODS 5/8"	H48.130B.16.1	114	275	1	1,60	1/4" NPTF	420	800	148	97	68	94	100	CAT.II	
ODS 7/8"	H48.130B.22.1	114	285	1	1,60	1/4" NPTF	420	800	220	144	101	140	149	CAT.II	
ODS 1 1/8"	H48.130B.28.1	114	285	1	1,60	1/4" NPTF	420	800	317	207	146	201	214	CAT.II	
ODS 1 3/8"	H48.130B.35.1	114	285	1	1,60	1/4" NPTF	420	800	419	274	193	266	283	CAT.II	
ODS 42	H48.130B.42.1	114	285	1	1,60	1/4" NPTF	420	800	485	316	224	308	328	CAT.II	
ODS 5/8"	H48.130B.16.2	114	415	2	2,80	1/4" NPTF	840	1600	133	87	61	84	90	CAT.II	
ODS 7/8"	H48.130B.22.2	114	425	2	2,80	1/4" NPTF	840	1600	205	134	95	130	139	CAT.II	
ODS 1 1/8"	H48.130B.28.2	114	425	2	2,80	1/4" NPTF	840	1600	315	206	146	200	213	CAT.II	
ODS 1 3/8"	H48.130B.35.2	114	425	2	2,80	1/4" NPTF	840	1600	428	279	197	271	289	CAT.II	
ODS 42	H48.130B.42.2	114	425	2	2,80	1/4" NPTF	840	1600	529	345	244	336	357	CAT.II	

PS	[PS1] 130 Bar	[PS2] 97,5 Bar
TS	- 20 / + 130°C	- 40 / - 20°C
GAS	R744	

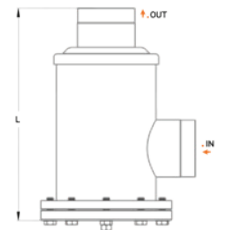


• Condensing temperature 30°C (-5°C / CO₂) • Evaporating temperature -15°C (-30°C / CO₂) • Yoğuşma sıcaklığı 30°C (-5°C / CO₂) • Buharlaştırma sıcaklığı -15°C (-30°C / CO₂)

H100.33B

Inlet & Outlet [Inch]	Model	Dimensions [mm]		Core	Volume [L]	Service Conn. [Inch]	Core Data		Refrigerant Flow Capacity Pressure Drop - 0,07bar [kW]					Category [PED]	
		Ø D	L				Surface Area [cm ²]	Vol. [cm ³]	R134A	R22	R404A R507	R407C	R410A	Group 2	Group 1
ODS 42	H100.33B.42.1	152	270	1	3,20	1/4" NPTF	630	1600	351	400	244	244	369	CAT.I	CAT.II
ODS 2 1/8"	H100.33B.54.1	152	270	1	3,20	1/4" NPTF	630	1600	563	641	391	391	592	CAT.I	CAT.II
ODS 2 5/8"	H100.33B.66.1	152	280	1	3,20	1/4" NPTF	630	1600	801	912	557	557	843	CAT.I	CAT.II
ODS 3"	H100.33B.76.1	152	290	1	3,20	1/4" NPTF	630	1600	897	1022	624	624	944	CAT.I	CAT.II
ODS 3 1/8"	H100.33B.80.1	152	290	1	3,20	1/4" NPTF	630	1600	973	1108	677	677	1024	CAT.I	CAT.II
ODS 3 5/8"	H100.33B.92.1	152	290	1	3,20	1/4" NPTF	630	1600	1201	1367	835	835	1263	CAT.I	CAT.II

PS	[PS1] 33 Bar	[PS2] 24 Bar
TS	- 20 / + 130°C	- 40 / - 20°C
GAS	HCFC, HFC, R290, R717*	



Model	Bolt Information Civata Bilgileri	Torque Values Tork Değerleri	Gasket Conta	Size Ölçü [mm]
H48.45B	M8 (M8*30)	40 Nm	108.114.106.000.K01	114,5 - 106,5
H48.60B	M10 (M10*35)	60 Nm	108.114.106.000.K01	114,5 - 106,5
H48.90B	M12 (M12*35)	85 Nm	108.114.106.000.K02	114,5 - 106,5
H48.130B	M12 (M12*35)	85 Nm	108.107.005.00H.NBR	107,0 - 5,0
H100.33B	M10 (M10*30)	60 Nm	108.154.144.000.K01	154,0 - 144,0

Replaceable drier core
Değiştirilebilir kovan taşı

HTG-A00-010001

%100 Desiccant
Suitable for use in a liquid line.



HTG-A80-010001

%80 Desiccant %20 Activated Alumina
Suitable for use in a liquid line.

Replaceable drier core
Değiştirilebilir kovan taşı

H100/C

%80 Molecular Sieves
%20 Activated Alumina
Suitable for use in a liquid line.



Replaceable drier filter
Değiştirilebilir kovan filtresi

H48/F

H100/F

Mechanical strainer
Suitable for use in a suction line.

