

# DISTILLING COLUMNS

## QD-1040 DISTILLING COLUMN

A plain column with an outer joint at the top and a row of indents to support packing, located above the inner joint at the bottom.

Column Length, MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-217	-324	-431	-538
450	-111	-218	-325	-432	-539
600	-112	-219	-326	-433	-540
900	-113	-220	-327	-434	-541
1200	-114	-221	-328	-435	-542
1500	-115	-222	-329	-436	-543
1800	-116	-223	-330	-437	-544



## QD-1060 DISTILLING COLUMN

Similar to QD-1040 but air jacketed with rubber stoppers.

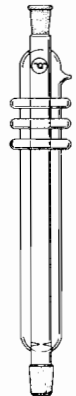
Jacket Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534



## QD-1080 DISTILLING COLUMN

Similar to QD-1040 but with an unsilvered vacuum jacket. The 300-600MM columns are equipped with 2 external expansion bellows, the 900 and 1200MM are equipped with 3 bellows.

Column Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534



## QD-1090 DISTILLING COLUMN

Similar to QD-1080 but the vacuum jacket is silvered with 2 viewing strips.

Column Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534



# DISTILLING COLUMNS

## QD-2000 DISTILLING COLUMN

A plain column with an outer joint at the top and a glass honeycomb support for packing above the inner joint at the bottom.

Column Length, MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-217	-324	-431	-538
450	-111	-218	-325	-432	-539
600	-112	-219	-326	-433	-540
900	-113	-220	-327	-434	-541
1200	-114	-221	-328	-435	-542
1500	-115	-222	-329	-436	-543
1800	-116	-223	-330	-437	-544



## QD-2020 DISTILLING COLUMN

Similar to QD-2000 but air jacketed with rubber stoppers.

Column Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534



## QD-2025 DISTILLING COLUMN

Similar to QD-2000 but with an unsilvered vacuum jacket. The 300-600MM columns are equipped with 2 external expansion bellows, the 900 and 1200MM are equipped with 3 bellows.

Column Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534



## QD-2030 DISTILLING COLUMN

Similar to QD-2025 but the vacuum jacket is silvered with 2 viewing strips.

Column Length MM	24/40 12MM ID Code	24/40 19MM ID Code	29/42 25MM ID Code	34/45 31MM ID Code	45/50 37MM ID Code
300	-110	-215	-320	-425	-530
450	-111	-216	-321	-426	-531
600	-112	-217	-322	-427	-532
900	-113	-218	-323	-428	-533
1200	-114	-219	-324	-429	-534

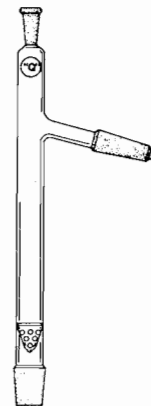


# DISTILLING COLUMNS

## QD-2040 DISTILLING COLUMN

A 10/30 outer joint at top with a honeycomb support for packing, above an inner joint at the bottom. Side arm has a drip joint that is the same size as the inner joint.

<u>Column Length, MM</u>	<u>19/38 Inners Code</u>	<u>24/40 Inners Code</u>	<u>29/42 Inners Code</u>
150	-110	-211	---
250	---	-212	-314
350	---	-213	-315



## QD-2060 DISTILLING COLUMN

Integral trap prevents foaming or bumping liquids from surging into the column. Column portion is vacuum jacketed and silvered with 2 viewing strips. The 300-600MM columns are equipped with 2 external expansion bellows, the 900 and 1200MM are equipped with 3 bellows.

<u>Column Length, MM</u>	<u>24/40 Code</u>	<u>29/42 Code</u>
300	-110	-215
450	-111	-216
600	-112	-217
900	-113	-218
1200	-114	-219



## QD-2070 DISTILLING COLUMN

Goodloe, with special stainless steel packing which is knitted, crimped and rolled to form a cartridge of the proper diameter. The top outer and bottom inner joints are the same size.

<u>Effective Length, In.</u>	<u>29/42 25MM ID Code</u>	<u>55/50 49MM ID Code</u>	<u>71/60 65MM ID Code</u>
12	-110	-214	-318
24	-111	-215	-319
36	-112	-216	-320
48	-113	-217	-321



## QD-2080 DISTILLING COLUMN

Goodloe, similar to QD-2070 but a vacuum jacket has been added and is silvered with 2 viewing strips. The top outer and bottom inner joints are the same size.

<u>Effective Length, In.</u>	<u>29/42 25MM ID Code</u>	<u>55/50 49MM ID Code</u>	<u>71/60 65MM ID Code</u>
12	-110	-214	-318
24	-111	-215	-319
36	-112	-216	-320
48	-113	-217	-321



## QD-3000 DISTILLING COLUMN

Snyder, the unique design gives excellent vapor-liquid contact without flooding problems. Each section is approximately 50MM long. Top outer and bottom inner are 24/40 joints.

<u>Number of Sections</u>	<u>Code</u>
2	-110
3	-111
6	-112
12	-113
16	-114
20	-115



# DISTILLING COLUMNS

## QD-3020 DISTILLING COLUMN

Vigreux type column with alternating rows of horizontal and downward indents for improved vapor-liquid contact. Column length is measured from the lowest to highest indent.

Column Length, MM	24/40 Code	29/42 Code
150	-110	-215
200	-111	-216
300	-112	-217
450	-113	-218
600	-114	-219



## QD-3033 DISTILLING COLUMN PACKING

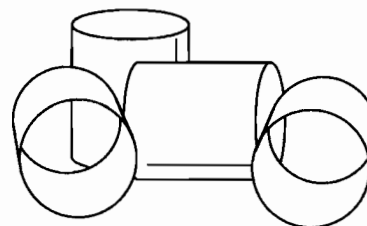
Borosilicate glass rings. Sizes shown are OD and length. Packages contain 1 pound.

Sizes OD x Length	Code
4 x 4 m/m	-110
5 x 5 m/m	-111
6 x 6 m/m	-112
7 x 7 m/m	-113
8 x 8 m/m	-114

## QD-3034 DISTILLING COLUMN PACKING

Quartz glass rings. Similar to QD-3033 but cut from quartz tubing for high purity. Packages contain 1 pound.

Sizes OD x Length	Code
4 x 4 m/m	-110
5 x 5 m/m	-111
6 x 6 m/m	-112



## QD-3025 DISTILLING COLUMN

Vigreux type column similar to QD-3020 but the column portion is vacuum jacketed and silvered with two viewing strips.

Column Length, MM	24/40 Code	29/42 Code
300	-110	-213
450	-111	-214
600	-112	-215



## QD-3030 DISTILLING COLUMN

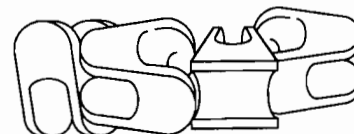
Vigreux type column similar to QD-3020 but without outer joint at top and with a plain side arm. The bottom inner joint is a 24/40.

Column Length, MM	Code
300	-110
450	-111
600	-112



## QD-3035 DISTILLING COLUMN PACKING

Porcelain berl saddles, 1/4" saddles provide relatively high usable contact surface area, lower gas flow resistance, and good internal distribution. Ideal for vacuum distillation, absorption and extraction.

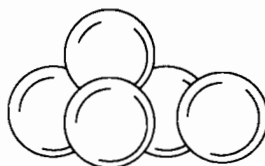


Description	Code
200ML (approx. 200 pieces)	-110
1000ML (approx. 1250 pieces)	-111

## QD-3032 DISTILLING COLUMN PACKING

Borosilicate glass beads. Beads have a high resistance from attack by liquids and vapors, hot or cold. Packages contain 1 pound.

Approximate Diameter	Code
2 m/m	-110
3 m/m	-111
4 m/m	-112
5 m/m	-113
6 m/m	-114
7 m/m	-115



## QD-3036 DISTILLING COLUMN PACKING

Microporous carbon boiling chips. Used in fractional distillations, evaporations, extractions, refluxings, condensations and other boiling operations to eliminate bumping of liquids. Jars contain eight ounces.

Code
-110

