LABOR SPIRIT, Lda.

# Consumíveis e Material de Laboratório

# ÍNDICE *alfabético*


| ARTIGO | PÁGINA |
|---|---|
| ADAPTADORES | 2 - 10 |
| AMPOLAS | 11 - 14 |
| APARELHOS | 15 - 20 |
| A.S.T.M. | 21 - 23 |
| BALÕES ERLENMEYER | 24 - 25 |
| BALÕES ESPECIAIS | 32 |
| BALÕES FUNDO PLANO | 26 |
| BALÕES FUNDO REDONDO | 27 - 28 |
| BALÕES KJELDAHL | 29 |
| BALÕES PERIFORMES | 30 - 31 |
| BALÕES VOLUMETRICOS | 33 |
| BURETAS | 34 - 36 |
| BURETAS ESPECIAIS | 37 |
| CADINHOS | 47 |
| COLUNAS | 38 - 43 |
| COPOS | 44 |
| ESMERILADOS | 45 - 46 |
| FRASCOS | 50 - 53 |
| FUNIS | 48 - 49 |
| HIDROTIMETRIA *ANÁLISES DE ÁGUA* | 54 - 56 |
| PESA-FILTROS | 57 |
| PICNOMETROS | 58 |
| PIPETAS | 59 - 62 |
| PROVETAS | 63 |
| REFRIGERANTES | 64 - 70 |
| ROLHAS | 71 |
| TORNEIRAS | 72 - 73 |
| TORRE DE ABSORÇÃO | 74 |
| TRAPS | 74 |
| TROMPAS | 74 |
| TUBOS | 75 - 81 |
| TUBOS DE ENSAIO | 82 - 84 |

# ADAPTADORES

## ADAPTADORES RECTOS COM IN MACHO

Cone/Flexible Tubing Adaptars-Straigth Connection

| REF. | IN MACHO |
|---|---|
| 1009100 | 14/23 |
| 1009101 | 19/26 |
| 1009102 | 24/29 |
| 1009103 | 29/32 |
| 1009104 | 34/35 |

## ADAPTADORES CURVOS COM IN MACHO

Cone/Flexible Tubing Right Angle Connection

| REF. | IN MACHO |
|---|---|
| 1008113 | 14/23 |
| 1008114 | 19/26 |
| 1008115 | 24/29 |
| 1008116 | 29/32 |
| 1008117 | 34/35 |

## ADAPTADORES COM TORNEIRA IN MACHO

Stopcok Adapters, Right Angle Connection

| REF. | IN MACHO |
|---|---|
| 1008118 | 14/23 |
| 1008119 | 19/26 |
| 1008120 | 24/29 |
| 1008121 | 29/32 |
| 1008122 | 34/35 |

## ADAPTADORES RECTOS COM IN FÊMEA

Socket/Flexible Tubing Adapters-Straight Connection

| REF. | IN MACHO |
|---|---|
| 1009113 | 19/26 |
| 1009114 | 24/29 |
| 1009115 | 29/32 |

# ADAPTADORES

## ADAPTADORES CURVOS COM IN FÊMEA

Socket/Flexible Tubing Adapters-Straight Connection

| REF. | IN FÊMEA |
|---|---|
| 1008106 | 19/26 |
| 1008107 | 24/29 |
| 1008108 | 29/32 |

## ADAPTADORES COM TORNEIRA IN FÊMEA

Stopcock Adapters, Socket.

| REF. | IN FÊMEA |
|---|---|
| 1008109 | 14/23 |
| 1008110 | 19/26 |
| 1008111 | 24/29 |
| 1008112 | 29/32 |

## ADAPTADORES DE REDUÇÃO

Reduction Adapters

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| | 1010100 14/23 | 19/26 |
| 1010101 | 14/23 | 24/29 |
| 1010102 | 14/23 | 29/32 |
| 1010103 | 19/26 | 24/29 |
| 1010104 | 19/26 | 29/32 |
| 1010105 | 19/26 | 34/35 |
| 1010106 | 19/26 | 40/38 |
| 1010107 | 19/26 | 45/40 |
| 1010108 | 24/29 | 29/32 |
| 1010109 | 24/29 | 34/35 |
| 1010110 | 24/29 | 40/38 |
| 1010111 | 24/29 | 45/40 |
| 1010112 | 29/32 | 34/35 |
| 1010113 | 29/32 | 45/40 |
| 1010114 | 34/35 | 40/38 |
| 1010115 | 34/35 | 45/50 |
| 1010116 | 34/35 | 50/42 |
| 1010117 | 34/35 | 55/44 |

# ADAPTADORES

## ADAPTADORES DE AMPLIAÇÃO

Expansion Adapters

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1005100 | 14/23 | 10/19 |
| 1005101 | 19/23 | 14/23 |
| 1005102 | 24/29 | 14/23 |
| 1005103 | 24/29 | 19/26 |
| 1005104 | 29/32 | 14/23 |
| 1005105 | 29/32 | 19/26 |
| 1005106 | 29/32 | 24/29 |
| 1005107 | 34/35 | 19/26 |
| 1005108 | 34/35 | 24/29 |
| 1005109 | 34/35 | 29/32 |
| 1005110 | 40/38 | 29/32 |
| 1005111 | 45/50 | 14/23 |
| 1005112 | 45/50 | 29/32 |
| 1005113 | 45/50 | 34/35 |
| 1005114 | 45/50 | 29/32 |
| 1005115 | 45/50 | 19/26 |
| 1005116 | 55/50 | 40/38 |
| 1005117 | 80 | 45/40 |

## ADAPTADORES DE REDUÇÃO COM INE FÊMEA

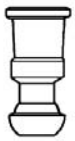
Conical/Spherical Adapters-Cone To Cup

| REF. | IN MACHO | INE FÊMEA |
|---|---|---|
| 1010122 | 14/23 | 19/9 |
| 1010123 | 24/29 | 19/9 |
| 1010124 | 29/32 | 19/9 |
| 1010125 | 29/32 | 29/15 |
| 1010126 | 29/32 | 35/20 |

## ADAPTADORES DE REDUÇÃO COM INE MACHO

Conical/Spherical Adapters-Socket To Ball

| REF. | IN FÊMEA | INE MACHO |
|---|---|---|
| 1010127 | 14/23 | 19/9 |
| 1010128 | 24/29 | 19/9 |
| 1010129 | 29/32 | 19/9 |
| 1010130 | 29/32 | 29/15 |
| 1010131 | 29/32 | 35/20 |

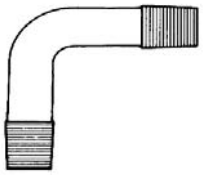


# ADAPTADORES

## ADAPTADORES DE UNIÃO COM ÂNGULO DE 90º

Recovery Bends, Sloping

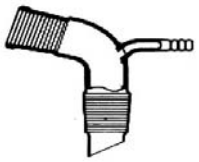
| REF. | IN MACHO | IN MACHO |
|---|---|---|
| 1011100 | 19/26 | 19/26 |
| 1011101 | 24/29 | 14/23 |
| 1011102 | 24/29 | 19/26 |
| 1011103 | 24/29 | 24/29 |
| 1011104 | 29/32 | 19/26 |
| 1011105 | 29/32 | 29/32 |
| 1011106 | 34/35 | 19/26 |
| 1011107 | 34/35 | 24/29 |



## ADAPTADORES CURVOS COM TUBO DE RESPIRAÇÃO

Bends With vent

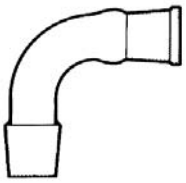
| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1008123 | 14/32 | 14/23 |
| 1008124 | 19/26 | 19/26 |
| 1008125 | 19/26 | 24/29 |
| 1008126 | 24/29 | 24/29 |
| 1008127 | 29/32 | 29/32 |



## ADAPTADORES CURVOS

Plainbends, Socke To Cone

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1008100 | 14/32 | 14/23 |
| 1008101 | 19/26 | 19/26 |
| 1008102 | 19/26 | 24/29 |
| 1008103 | 24/29 | 24/29 |
| 1008104 | 29/32 | 29/32 |



## ADAPTADORES DE DESTILAÇÃO COM ROSCA 60º

Cone With Two Screwthreads-One Vertical And One Of 60º

| REF. | ROSCA | IN MACHO |
|---|---|---|
| 1012100 | SVL 15 | 14/23 |
| 1012101 | SVL 15 | 19/26 |
| 1012102 | SVL 15 | 24/29 |
| 1012103 | SVL 15 | 29/32 |

# ADAPTADORES

## ADAPTADORES COM 2 COLOS EM ÂNGULO

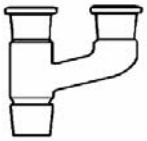
Multiple Adapters, Three Necks

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1006100 | 19/26 | 19/26 |
| 1006101 | 19/26 | 24/29 |
| 1006103 | 29/32 | 29/32 |

## ADAPTADORES COM 2 COLOS PARALELOS

Multiple Adapters, Two Necks Parallel

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1006103 | 14/23 | 14/23 |
| 1006104 | 19/26 | 19/26 |
| 1006105 | 19/26 | 24/29 |
| 1006106 | 19/26 | 34/35 |
| 1006107 | 24/29 | 24/29 |
| 1006108 | 29/32 | 29/32 |



## ADAPTADORES COM IN FÊMEA PARA TERMÓMETRO

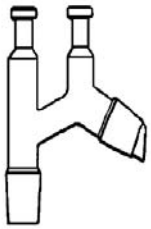
Plain Stilheads With Thermometer Sockets

| REF. | IIN FÊMEA | IN MACHO | IN MACHO |
|---|---|---|---|
| 1013100 | 14/23 | 14/23 | 14/23 |
| 1013101 | 14/23 | 19/26 | 19/26 |
| 1013102 | 14/23 | 19/26 | 14/23 |
| 1013103 | 14/23 | 24/29 | 14/23 |
| 1013104 | 14/23 | 24/29 | 19/26 |
| 1013105 | 14/23 | 24/29 | 24/29 |
| 1013106 | 14/23 | 29/32 | 14/23 |
| 1013107 | 14/23 | 29/32 | 19/26 |
| 1013108 | 14/23 | 29/32 | 24/29 |
| 1013109 | 14/23 | 29/32 | 29/32 |

## ADAPTADORES TIPO CLAISEN COM QUATRO IN'S

Claisen Heads, Sloping

| REF. | IIN FÊMEA | IN MACHO | IN MACHO |
|---|---|---|---|
| 1007100 | 14/23 | 14/23 | 14/23 |
| 1007101 | 14/23 | 19/26 | 14/23 |
| 1007102 | 14/23 | 19/26 | 19/26 |
| 1007103 | 14/23 | 24/29 | 24/29 |
| 1007104 | 14/23 | 29/32 | 29/32 |

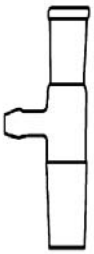


# ADAPTADORES

## ADAPTADORES RECTOS COM TUBULADURAS

Socket/Cone Adapters With «T» Connection

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1009105 | 14/23 | 14/23 |
| 1009106 | 14/23 | 19/26 |
| 1009107 | 14/23 | 24/29 |
| 1009108 | 19/26 | 19/26 |
| 1009109 | 19/26 | 24/29 |
| 1009110 | 19/26 | 29/32 |
| 1009111 | 24/29 | 24/29 |
| 1009112 | 29/32 | 29/32 |



## ADAPTADORES ROSCADOS COM IN MACHO

Screwthread Tubes With Standard Ground Cone

| REF. | ROSCA | IN MACHO |
|---|---|---|
| 1004100 | 14 | 14/23 |
| 1004101 | 14 | 19/26 |
| 1004102 | 14 | 24/29 |
| 1004103 | 14 | 29/32 |
| 1004104 | 18 | 14/23 |
| 1004105 | 18 | 19/26 |
| 1004106 | 18 | 24/29 |
| 1004107 | 18 | 29/32 |
| 1004108 | 25 | 19/26 |
| 1004109 | 25 | 24/29 |
| 1004110 | 25 | 29/32 |
| 1004111 | 32 | 24/29 |
| 1004112 | 32 | 29/32 |

## ADAPTADORES ROSCADOS COM IN MACHO COMPLETOS

Screwthread Tubes With Standard Ground Cone

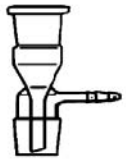
| REF. | ROSCA | IN MACHO |
|---|---|---|
| 1004113 | 14 | 14/23 |
| 1004114 | 14 | 19/26 |
| 1004115 | 14 | 24/29 |
| 1004116 | 14 | 29/32 |
| 1004117 | 18 | 14/23 |
| 1004118 | 18 | 19/26 |
| 1004119 | 18 | 24/29 |
| 1004120 | 18 | 29/32 |
| 1004121 | 25 | 19/26 |
| 1004122 | 25 | 24/29 |
| 1004123 | 25 | 29/32 |
| 1004124 | 32 | 24/29 |
| 1004125 | 32 | 29/32 |

# ADAPTADORES

## ADAPTADORES PARA VÁCUO, RECTOS

Vertical Receiver Adapters With Vacuum Connection

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014118 | 19/26 | 19/26 |
| 1014119 | 24/29 | 24/29 |
| 1014120 | 29/32 | 29/32 |



## ADAPTADORES PARA VÁCUO, CURVOS

Bends With Vacuum Connection

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014110 | 19/26 | 19/26 |
| 1014111 | 24/29 | 24/29 |
| 1014112 | 29/32 | 29/32 |

## ADAPTADORES DESTILAÇÃO RECTOS

Straight Delivery Adapters

| REF. | IN FÊMEA | COMP. mm |
|---|---|---|
| 1012116 | 19/26 | 180 |
| 1012117 | 24/29 | 180 |
| 1012118 | 29/32 | 180 |
| 1012119 | 34/35 | 180 |

## ADAPTADORES DESTILAÇÃO CURTOS

Plain Bends, Short

| REF. | IN FÊMEA | COMP. mm |
|---|---|---|
| 1012104 | 19/26 | 65 |
| 1012105 | 24/29 | 65 |
| 1012106 | 29/32 | 65 |
| 1012107 | 34/35 | 65 |

# ADAPTADORES

## ADAPTADORES DESTILAÇÃO LONGOS

Plain Bends, Long

| REF. | IN FÊMEA | COMP. mm |
|---|---|---|
| 1012112 | 19/26 | 200 |
| 1012113 | 24/29 | 200 |
| 1012114 | 29/32 | 200 |
| 1012115 | 34/35 | 200 |

## ADAPTADORES DESTILAÇÃO DE VACUO COM 2 IN´S

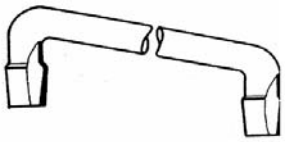
Adapters With 2 Sockets

| REF. | IN FÊMEA | IN FÊMEA |
|---|---|---|
| 1012108 | 14/23 | 19/26 |
| 1012109 | 19/26 | 24/29 |
| 1012110 | 24/29 | 29/32 |
| 1012111 | 29/32 | 34/35 |

## ADAPTADORES EM FORMA DE PONTE

Recovery Bends, Vertical

| REF. | IN MACHO | IN MACHO |
|---|---|---|
| 1015100 | 14/23 | 14/23 |
| 1015101 | 19/26 | 19/26 |
| 1015102 | 24/29 | 24/29 |
| 1015103 | 29/32 | 29/32 |



## ADAPTADORES PARA VÁCUO PIG

Bends With Multiple Connection (PIG)

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014105 | 10/198 | 10/19 |
| 1014106 | 14/23 | 14/23 |
| 1014107 | 19/26 | 14/23 |
| 1014108 | 29/32 | 14/23 |
| 1014109 | 29/32 | 19/26 |

# ADAPTADORES

## ADAPTADORES PARA VÁCUO MULTI-LIMB

Multi-Limb Vácuum Receiver Adapters

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014100 | 10/19 | 10/19 |
| 1014101 | 14/23 | 14/23 |
| 1014102 | 19/26 | 19/26 |
| 1014103 | 24/29 | 19/26 |
| 1014104 | 29/32 | 19/26 |

## ADAPTADORES PARA VÁCUO VERTICAIS

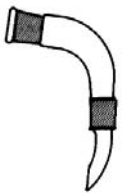
Vertical Delivery Adapters

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014121 | 10/19 | 10/19 |
| 1014122 | 14/23 | 14/23 |
| 1014123 | 19/26 | 19/26 |
| 1014124 | 24/29 | 24/29 |
| 1014125 | 29/32 | 29/32 |

## ADAPTADORES CURVOS PARA VÁCUO SLOPING

Sloping Delivery Adapters

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1014126 | 10/19 | 10/19 |
| 1014127 | 14/23 | 14/23 |
| 1014128 | 19/26 | 19/26 |
| 1014129 | 24/29 | 24/29 |
| 1014130 | 29/32 | 29/32 |



# AMPOLAS

## AMPOLAS DECANTAÇÃO ESFÉRICAS

Funnels, Separatory Globe Shape

| REF. | CAP. ml | IN FÊMEA |
|---|---|---|
| 1105100 | 25 | 14/23 |
| 1105101 | 50 | 14/23 |
| 1105102 | 100 | 19/26 |
| 1105103 | 250 | 19/26 |
| 1105104 | 500 | 24/29 |
| 1105105 | 1000 | 29/32 |
| 1105106 | 2000 | 29/32 |

## AMPOLAS DECANTAÇÃO COM IN NA HASTE

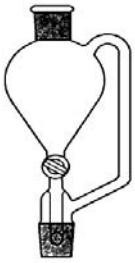
Pear Shape (Stem With Cone)

| REF. | CAP. ml | IN FÊMEA | IN MACHO |
|---|---|---|---|
| 1105107 | 25 | 14/23 | 14/23 |
| 1105108 | 50 | 14/23 | 14/23 |
| 1105109 | 100 | 19/26 | 19/26 |
| 1105110 | 250 | 19/26 | 19/26 |
| 1105111 | 500 | 24/29 | 24/29 |
| 1105112 | 1000 | 29/32 | 29/32 |

## AMPOLA DECANTAÇÃO ESFÉRICA COM IN MACHO E EQUILIBRADOR DE PRESSÃO

Pressure Equalising Funnels

| REF. | CAP. ml | IN FÊMEA | IN MACHO |
|---|---|---|---|
| 1105113 | 100 | 19/26 | 19/26 |
| 1105114 | 100 | 24/29 | 19/26 |
| 1105115 | 100 | 24/29 | 24/29 |
| 1105116 | 250 | 24/29 | 24/29 |
| 1105117 | 500 | 29/32 | 29/32 |



# AMPOLAS

## AMPOLAS DECANTAÇÃO PERIFORMES

Funnels, Conical Plain Stem

| REF. | CAP. ml | IN FÊMEA | REF.(*) |
|---|---|---|---|
| 1101108 | 5 | 10/19 | 1101128 |
| 1101109 | 10 | 10/19 | 1101129 |
| 1101110 | 25 | 14/23 | 1101130 |
| 1101111 | 50 | 14/23 | 1101131 |
| 1101112 | 100 | 19/26 | 1101132 |
| 1101113 | 150 | 19/26 | 1101133 |
| 1101114 | 250 | 19/26 | 1101134 |
| 1101115 | 500 | 24/29 | 1101135 |
| 1101116 | 1000 | 29/32 | 1101136 |
| 1101117 | 2000 | 29/32 | 1101137 |
| 1101118 | 3000 | 29/32 | 1101138 |
| 1101119 | 5000 | 29/32 | 1101139 |

## AMPOLAS DECANTAÇÃO ABERTAS COM IN NA HASTE

Open Top (Stem With Cone)

| REF. | CAP. ml | IN MACHO |
|---|---|---|
| 1109100 | 50 | 19/26 |
| 1109101 | 100 | 19/26 |
| 1109102 | 250 | 29/26 |

## AMPOLAS CILINDRICAS COM EQUILIBRADOR DE PRESSÃO

Pressure Equalising Funnels

| REF. | CAP. ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1102146 | 50 | 19/26 | 24/29 |
| 1102147 | 100 | 24/29 | 24/29 |
| 1102148 | 250 | 29/32 | 29/32 |
| 1102149 | 500 | 24/29 | 24/29 |

## AMPOLAS CILINDRICAS COM DOIS IN

Cylindrical (Plain Stem)

| REF. | CAP. ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1102126 | 25 | 14/23 | 14/23 |
| 1102127 | 50 | 14/23 | 14/23 |
| 1102128 | 100 | 14/23 | 14/23 |
| 1102129 | 250 | 19/26 | 19/26 |
| 1102130 | 500 | 19/26 | 19/26 |
| 1102131 | 1000 | 19/26 | 24/29 |

# AMPOLAS

## AMPOLAS CILINDRICAS COM IN SUPERIOR

Cylindrical (Plain Stem)

| REF. | CAP. ml | IN FÊMEA |
|---|---|---|
| 1102150 | 25 | 14/23 |
| 1102151 | 50 | 14/23 |
| 1102152 | 100 | 19/26 |
| 1102153 | 250 | 19/26 |
| 1102154 | 500 | 19/26 |
| 1102155 | 1000 | 24/29 |

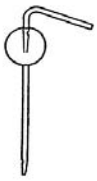
## AMPOLAS CILINDRICAS / FUNIS DE CARGA

Charge Funnels, With Stopcoch

| REF. | CAP. ml | COMP. HASTE |
|---|---|---|
| 1102100 | 30 | 150 mm |
| 1102101 | 60 | 150 mm |
| 1102102 | 100 | 150 mm |
| 1102103 | 250 | 150 mm |
| 1102104 | 500 | 150 mm |
| 1102105 | 1000 | 150 mm |

## AMPOLAS DE RECTROGRADAÇÃO, C/ TUBO INTERIOR RECTO

Rectrogradation Vials



| REF. | Ø DA BOLA | Ø DAS HASTES | COMP. TOTAL |
|---|---|---|---|
| 1104109 | 52 mm | 10 mm | 200 mm |

## AMPOLAS DE RECTROGRADAÇÃO, C/ TUBO INTERIOR CURVO

Rectrogradation Vials

| REF. | Ø DA BOLA | Ø DAS HASTES | COMP. TOTAL |
|---|---|---|---|
| 1104108 | 52 mm | 10 mm | 200 mm |

## AMPOLAS DE RECTROGRADAÇÃO C/ DOIS IN RECTOS

Splash Heads Sloping

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1104104 | 19/26 | 19/26 |
| 1104105 | 24/29 | 19/26 |
| 1104106 | 24/29 | 24/29 |
| 1104107 | 29/32 | 29/32 |

# AMPOLAS

## AMPOLAS DE RECTROGRADAÇÃO C/ DOIS IN CURVOS

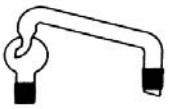
Splash Heads Sloping

| REF. | IN FÊMEA | IN MACHO |
|---|---|---|
| 1104100 | 19/26 | 19/26 |
| 1104101 | 24/29 | 19/26 |
| 1104102 | 24/29 | 24/29 |
| 1104103 | 29/32 | 29/32 |

## AMPOLAS DE RECTROGRADAÇÃO, KJELDAHL, C/ DOIS IN E HASTE LONGA

Splash Heads, Vertical

| REF. | IN MACHO | IN MACHO |
|---|---|---|
| 1104110 | 19/26 | 19/26 |
| 1104111 | 24/29 | 24/29 |
| 1104112 | 29/32 | 29/32 |



## AMPOLAS PARA RECOLHA DE GASES

Gas Collecting Tubes

| REF. | CAP.ml |
|---|---|
| 1103100 | 100 |
| 1103101 | 250 |
| 1103102 | 500 |

## AMPOLAS PARA RECOLHA DE GASES COM TORNEIRA EM T

Gas Collecting Tubes

| REF. | CAP.ml |
|---|---|
| 1103103 | 100 |
| 1103104 | 250 |
| 1103105 | 500 |

# APARELHOS

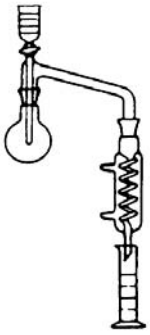
## APARELHO PARA DETERMINAÇÃO DO GRAU ALCOÓLICO DOS VINHOS

Distilling Flaks For Measuring Alcohol Wines

| REF. | CRACTERISTICAS |
|---|---|
| 3605102 | Complecto |
| | Balão F.Redondo 1000 ml |
| | Adaptad. Forma de Ponte |
| | Refrig.Serpentina c/ IN |
| | Macho |
| | Balão Volumétrico 200 ml |

## APARELHO PARA DETERMINAÇÃO DA ACIDEZ VOLATIL NOS VINHOS

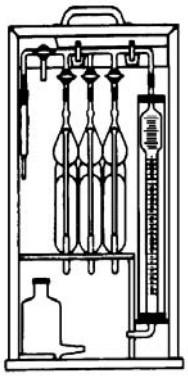
Apparatus For Measuring Volatile



| REF. | CRACTERISTICAS |
|---|---|
| 3605101 | Complecto |
| | Balão esférico de 60 ml com IN 14/23 |
| | Tubo de carga de 24 ML com IN 14/23 x 2 |
| | Refrigerante de 100 ml IN 14/23 |
| | Proveta acidimetro de 24 ml |

## APARELHO PARA ANÁLISE DE GASES TIPO (ORSAT)

Gas Analysis Apparatus, Portable

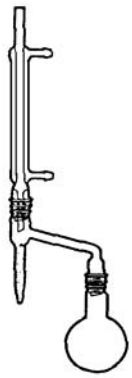


| REF. | CRACTERISTICAS |
|---|---|
| 3615100 | Complecto |
| | Bureta 0-50-100 ml |
| | Camisa para bureta |
| | Torneiras em T |
| | Tubo filtro para entrada de gás |
| | Suporte em madeira |
| | Câmara contacto (cobre e tubos em vidro) |
| | Vaso inferior (3 unidades) |
| | Câmara de borboteio |
| | Câmara de contacto (tubos de vidro) |
| | Frasco nível de 250 ml |

# APARELHOS

## APARELHO DEAN STARK DETERMINAÇÃO DE HUMIDADE

Complete Dean Stark Apparatus



| REF. | CRACTERISTICAS |
|---|---|
| | Refrigerante Liebig |
| | Tubo Receptor |
| | Balão de Fundo Redondo |
| 3609100 | Completo c/Tubo Receptor 10 ml |
| 3609101 | Completo c/Tubo Receptor 25 ml |

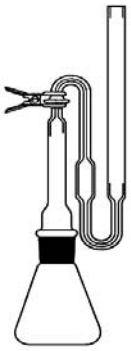
## APARELHOS DE DOSAGEM DO ARSÉNIO (LEDEBUR)

Arsenic Determination Apparatus

### MODELO I

| REF. | CRACTERISTICAS |
|---|---|
| 3610101 | Complecto |
| | Balão F.Redondo 500 ml IN 29/32 e 19/26 |
| | Cabeça de carga c/ torneira IN 29/32 |
| | Refrigerante c/ serpentina 200 mm IN 19/26 |

### MODELO II



| REF. | CRACTERISTICAS |
|---|---|
| 3610100 | Complecto |
| | Balão Erlenmeyer 100 ml IN 24/29 |
| | Tubo reagente INE macho 13 |
| | Tubo de carga INE fêmea 13 |

# APARELHOS

## APARELHO DE EXTRACÇÃO (THIELEPAPE)

Thielepape Extractors With Dimroth Condenser

### REFRIGERANTE DIMROTH

| COMP. mm | 100 | 150 | 250 |
|---|---|---|---|
| IN MACHO | 34/35 | 45/40 | 45/50 |

### EXTRACTOR THIELEPAPE

| CAP. ml | 30 | 150 | 250 |
|---|---|---|---|
| IN FÊMEA | 29/32 | 45/50 | 45/50 |
| IN MACHO | 29/32 | 29/32 | 29/32 |

### BALÃO DE FUNDO REDONDO

| CAP. ml | 100 | 250 | 500 |
|---|---|---|---|
| IN FÊMEA | 29/32 | 29/32 | 29/32 |

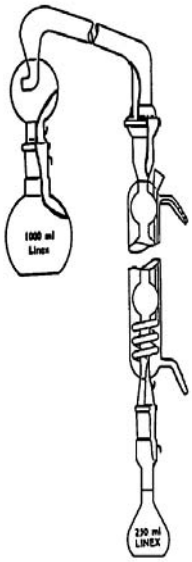
### COMPLETO

| REF. | 3616100 | 3616101 | 3616102 |
|---|---|---|---|

## APARELHO HANNACK

Hannack Apparatus

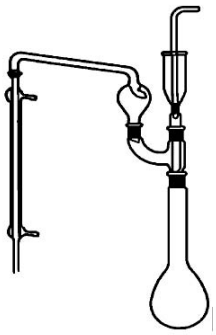
| REF. | CRACTERISTICAS |
|---|---|
| | Refrigerante Especial |
| | Ampola Rectrogaraduação Kjeldahl INE 29 |
| | Balão Volumétrico 250 ml |
| | Balão Fundo Plano 1000 ml |
| 3808100 | Completo |



# APARELHOS

## APARELHO KJELDAHL DESTILAÇÃO MACRO

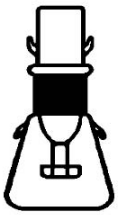
Macro Kjeldahl Distiling Apparatus



| REF. | CRACTERISTICAS |
|---|---|
| | Refrigerante Recto IN 19 |
| | Ampola Aberta c/ Embolo IN 10/19 e IN 19/26 |
| | Balão Kjeldahl IN 24/29 |
| | Adaptador Múltiplo IN 19/26 e 24/29 |
| | Ampola Rectrograduação IN 19/26 IN 19 |
| 3604100 | Completo |

## APARELHO MICRODOSAGEM DO ALCOOL NO SANGUE

Micro Determination of Alcohol in Blood



| REF. | CRACTERISTICAS |
|---|---|
| 3606100 | Completo |
| | Balão 50 ml com IN 24/29 |
| | Cabeça com In 24/29 e capsula de 2 ml |

## APARELHO MICRODOSAGEM DO ALCOOL NO SANGUE

Micro Determination of Alcohol in Blood

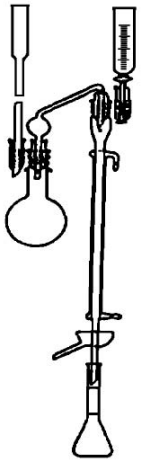
| REF. | CRACTERISTICAS |
|---|---|
| 3611100 | Completo |
| | Ampola Cilíndrica com Placa Porosa |
| | Ampola Esférica com Angulo de 45º Recta |
| | Balão de Kjeldahl de 500 ml |

# APARELHOS

## APARELHO REICHERT-MEISSL

Reichert-Meissl Apparatus

| REF. | CRACTERISTICAS |
|---|---|
| 3612100 | Completo |
| | Balão Fundo Redondo 500 ml IN 29/32 |
| | Tubo Destilação IN 29/32 |
| | Refrigerante Recto IN 29/32 |
| | Balão Graduado 100-100 ml |
| | Tubo de Carga c/ Torneira 20 ml, graduado 1/1 |
| | Tubo de Carga com IN |



## APARELHO DE SOXHLET

Complete Soxhlet Apparatus

### REFRIGERANTE DE BOLAS

| COMP. mm | 100 | 150 | 200 | 250 | 300 | 300 |
|---|---|---|---|---|---|---|
| IN MACHO | 34/35 | 34/35 | 45/50 | 45/50 | 45/50 | 50/55 |

### EXTRACTOR SOXHLET

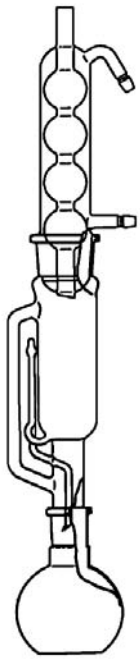
| CAP. ml | 25 | 50 | 125 | 250 | 500 | 1.000 |
|---|---|---|---|---|---|---|
| IN FÊMEA | 34/35 | 34/35 | 45/50 | 45/50 | 45/50 | 55/50 |
| IN MACHO | 29/32 | 29/32 | 29/32 | 29/32 | 29/32 | 29/32 |

### BALÃO DE FUNDO PLANO

| CAP. ml | 50 | 100 | 250 | 500 | 1.000 | 2.000 |
|---|---|---|---|---|---|---|
| IN FÊMEA | 24/29 | 29/32 | 29/32 | 29/32 | 29/32 | 29/32 |

### COMPLETO

| REF. | 3603101 | 3603102 | 3603100 | 3603103 | 3603104 | 3603105 |
|---|---|---|---|---|---|---|

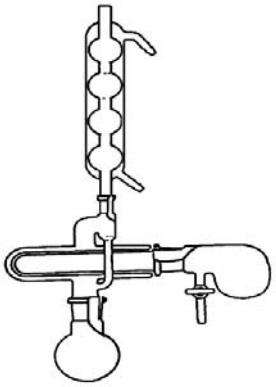


# APARELHOS

## APARELHO VÁCUO, DESSECADOR TERMOSTÁTICO

Drying Apparatus, Vacuum, Abderhalden, Complet

| REF. | CRACTERISTICAS |
|---|---|
| 3617100 | Completo |
| | Balão Fundo Redondo IN Fêmea 24/29 |
| | Balão Dessecador IN Fêmea 45/50 |
| | Corpo Central IN Macho 45/50 e dois 24/29 |
| | Refrigerante de Bolas 200mm IN Macho 24/29 |



## APARELHO DE VIGREUX, DESTILADOR

Vigreux Distiller

| REF. | CRACTERISTICAS |
|---|---|
| 3613100 | Completo |
| | Refrigerante Pontas Vigreux IN 29/32 |
| | Balão Fundo Redondo 2000 ml IN 29/32 |

# A.S.T.M.

## APARELHO DETERMINAÇÃO DE ENXOFRE NOS DERIVADOS DO PETRÓLEO

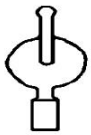
Detailed Drawing Of Combustion And Absorption Apparatus

| REF. | CRACTERISTICAS |
|---|---|
| 3601100 | Completo |

## ABSORVEDORES (A.S.T.M. - D 1266)

| REF. | CRACTERISTICAS |
|---|---|
| 4701100 | A.S.T.M. - D 1266 |

## AMPOLAS DE RETENÇÃO COM IN (A.S.T.M. - D 1226)



| REF. | CRACTERISTICAS |
|---|---|
| 1107100 | A.S.T.M. - D 1266 |

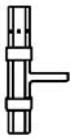
## BALÃO ERLENMEYER (A.S.T.M. - D 1266)

| REF. | CRACTERISTICAS |
|---|---|
| 1206185 | A.S.T.M. - D 1266 |

## CHAMINÉS (A.S.T.M. - D 1266)

| REF. | CRACTERISTICAS |
|---|---|
| 4101100 | A.S.T.M. - D 1266 |

## QUEIMADORES (A.S.T.M. - D 1266)



| REF. | CRACTERISTICAS |
|---|---|
| 5101100 | A.S.T.M. - D 1266 |

## APARELHO FILTRAÇÃO DO ÓLEO (A.S.T.M.-D 721)

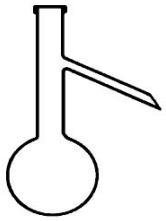
| REF. | CRACTERISTICAS | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 3602100 | Tubo com IN | | 24/29 |
| | Cabeça Placa Porosa 1 e IN | 24/29 | |

# A.S.T.M.

## BALÕES DESTILAÇÃO (ENGLER) (A.S.T.M.-E 133)

Flasks Distilling, Engler

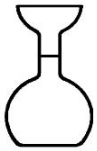
| REF. | CAP. ml |
|---|---|
| 1201100 | 100 |
| 1201101 | 125 |
| 1201102 | 200 |
| 1201103 | 250 |
| 1201104 | 500 |
| 1201105 | 1000 |
| 1201106 | 2000 |



## BALÕES PARA VISCOSIMETROS SAYBOLT (A.S.T.M.-D 88)

Flasks Viscosity, Saybolt

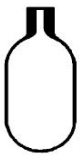
| REF. | CAP. ml |
|---|---|
| 1210100 | 60 |



## BOLBOS DETERMINAÇÃO RESIDUOS DE CARBONO (A.S.T.M.-D 524)

Bulbs

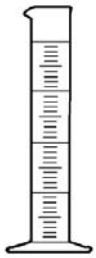
| REF. |
|---|
| 3901100 |



## PROVETAS GRADUADAS (A.S.T.M.-E 133)

Measuring Cylinders

| REF. | CAP. ml |
|---|---|
| 3504100 | 25 |
| 3504101 | 100 |
| 3504102 | 200 |



## TUBOS CENTRÍFUGA (A.S.T.M.- D 96)

Centrifuge Tubes

| REF. | CAP. ml |
|---|---|
| 2702106 | 100 |

# A.S.T.M.

## TUBOS CENTRÍFUGA PERIFORME (A.S.T.M.-D 96)

Centrifuge Tubes

| REF. | CAP. ml |
|---|---|
| 2702107 | 100 |

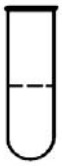
## TUBO DE CONGELAÇÃO (A.S.T.M.-D 97)

Congelation Point Tube

| REF. | ALTURA ml | Ø ml |
|---|---|---|
| 2701100 | 115-125 | 30-32 |

## TUBOS PARA PONTO DE FUSÃO VASELINAS E PARAFINAS (A.S.T.M.-D 87 e D 127)

Congelation Tubes

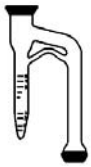


| REF. | ALTURA ml | Ø ml |
|---|---|---|
| 2704100 | 100 | 26 |

## TUBOS DE RECEPÇÃO (A.S.T.M.-E 123)

Receiver Tubes

### MODELO I



| REF. | CAP. ml | INE MACHO | INE FÊMEA |
|---|---|---|---|
| 2703106 | 5 | 35/20 | 35/25 |
| 2703107 | 10 | 35/20 | 35/25 |
| 2703108 | 25 | 35/20 | 35/25 |

### MODELO II

| REF. | CAP. ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2703103 | 5 | 24/40 | 24/40 |
| 2703104 | 10 | 24/40 | 24/40 |
| 2703105 | 25 | 24/40 | 24/40 |

### MODELO II

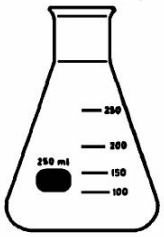
| REF. | CAP. ml | IN FÊMEA | Ø (parte inf.) |
|---|---|---|---|
| 2703100 | 5 | 24/40 | 18mm |
| 2703101 | 10 | 24/40 | 18mm |
| 2703102 | 25 | 24/40 | 18mm |

# BALÕES ERLENMEYER

## BALÕES ERLENMEYER, BOCA ESTREITA

Erlenmeyer Flasks, Narrow Neck

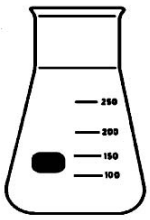
| REF. | CAP. ml |
|---|---|
| 1206109 | 5 |
| 1206110 | 10 |
| 1206112 | 15 |
| 1206111 | 20 |
| 1206113 | 25 |
| 1206114 | 50 |
| 1206115 | 100 |
| 1206116 | 125 |
| 1206117 | 150 |
| 1206118 | 200 |
| 1206119 | 250 |
| 1206120 | 300 |
| 1206121 | 500 |
| 1206122 | 1000 |
| 1206123 | 2000 |
| 1206124 | 3000 |
| 1206125 | 5000 |




## BALÕES ERLENMEYER, BOCA LARGA

Erlenmeyer Flasks, Wide Neck

| REF. | CAP. ml |
|---|---|
| 1206100 | 25 |
| 1206101 | 50 |
| 1206102 | 100 |
| 1206103 | 125 |
| 1206104 | 250 |
| 1206105 | 300 |
| 1206106 | 500 |
| 1206107 | 1000 |
| 1206108 | 2000 |

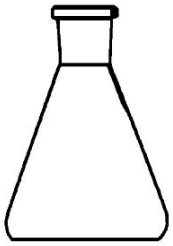


# BALÕES ERLENMEYER

## BALÕES ERLENMEYER COM IN

Conical (Erlenmeyer) Standard Wall

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1206126 | 5 | 10/19 |
| 1206127 | 10 | 10/19 |
| 1206130 | 25 | 14/23 |
| 1206133 | 50 | 14/23 |
| 1206134 | 50 | 19/26 |
| 1206137 | 100 | 19/26 |
| 1206138 | 100 | 24/29 |
| 1206142 | 200 | 24/29 |
| 1206144 | 250 | 24/29 |
| 1206145 | 250 | 29/32 |
| 1206146 | 300 | 29/32 |
| 1206147 | 500 | 29/32 |
| 1206149 | 1000 | 29/32 |
| 1206152 | 2000 | 34/35 |



## BALÕES ERLENMEYER PARA ÍNDICE DE IODO

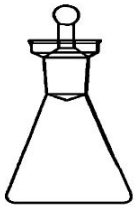
Iodine Flasks

### MODELO 1370

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1206198 | 100 | 29/32 |
| 1206199 | 250 | 29/32 |
| 1206200 | 300 | 29/32 |
| 1206201 | 500 | 29/32 |

### Modelo 1372

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1206235 | 100 | 29/32 |
| 1206236 | 250 | 29/32 |
| 1206237 | 300 | 29/32 |
| 1206238 | 500 | 29/32 |



### Modelo 1373

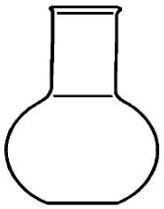
| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1206202 | 100 | 29/32 |
| 1206203 | 250 | 29/32 |
| 1206204 | 300 | 29/32 |
| 1206205 | 500 | 29/32 |

# BALÕES FUNDO PLANO

## BALÕES, FUNDO PLANO COLO ESTREITO

Flasks, Flat Botton

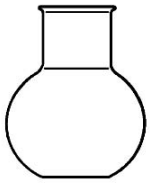
| REF. | CAP.ml |
|---|---|
| 1207100 | 5 |
| 1207101 | 10 |
| 1207102 | 25 |
| 1207103 | 50 |
| 1207104 | 100 |
| 1207105 | 250 |
| 1207106 | 500 |
| 1207107 | 1000 |
| 1207108 | 2000 |
| 1207111 | 5000 |



## BALÕES, FUNDO PLANO COLO LARGO

Flasks, Flat Botton

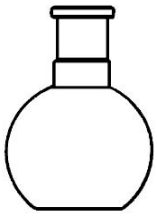
| REF. | CAP.ml |
|---|---|
| 1207113 | 50 |
| 1207114 | 100 |
| 1207115 | 250 |
| 1207116 | 500 |
| 1207117 | 1000 |



## BALÕES FUNDO PLANO COLO CURTO COM IN

Flasks, Flat Botton, Short Neck

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1205100 | 50 | 19/26 |
| 1205103 | 100 | 19/26 |
| 1205104 | 100 | 24/29 |
| 1205105 | 100 | 29/32 |
| 1205106 | 250 | 19/26 |
| 1205107 | 250 | 24/29 |
| 1205108 | 250 | 29/32 |
| 1205111 | 500 | 24/29 |
| 1205112 | 500 | 29/32 |
| 1205113 | 500 | 34/35 |
| 1205114 | 1000 | 24/29 |
| 1205115 | 1000 | 29/32 |
| 1205116 | 1000 | 34/35 |
| 1205119 | 2000 | 29/32 |
| 1205120 | 2000 | 34/35 |

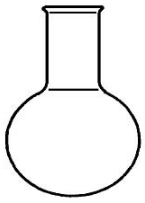


# BALÕES FUNDO REDONDO

## BALÕES, FUNDO REDONDO, COLO ESTREITO

Flasks, Round Botton

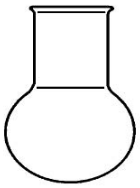
| REF. | CAP.ml |
|---|---|
| 1208100 | 25 |
| 1208101 | 50 |
| 1208102 | 100 |
| 1208104 | 250 |
| 1208105 | 500 |
| 1208106 | 1000 |
| 1208107 | 2000 |
| 1208108 | 4000 |



## BALÕES, FUNDO REDONDO COLO LARGO

Flasks, Round Botton

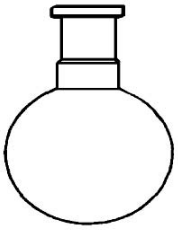
| REF. | CAP.ml |
|---|---|
| 1208110 | 50 |
| 1208111 | 100 |
| 1208112 | 250 |
| 1208113 | 500 |
| 1208114 | 1000 |
| 1208115 | 2000 |



## BALÕES, FUNDO REDONDO COLO CURTO COM IN

Flasks, Round Botton, Short Neck

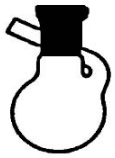
| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1208116 | 5 | 10/19 |
| 1208117 | 10 | 10/19 |
| 1208119 | 25 | 14/23 |
| 1208123 | 50 | 14/23 |
| 1208124 | 50 | 19/26 |
| 1208125 | 50 | 24/29 |
| 1208127 | 100 | 14/23 |
| 1208128 | 100 | 19/26 |
| 1208129 | 100 | 24/29 |
| 1208130 | 100 | 29/32 |
| 1208134 | 250 | 19/26 |
| 1208135 | 250 | 24/29 |
| 1208136 | 250 | 29/32 |
| 1208138 | 500 | 19/26 |
| 1208139 | 500 | 24/29 |
| 1208140 | 500 | 29/32 |
| 1208141 | 500 | 34/35 |
| 1208143 | 1000 | 24/29 |
| 1208144 | 1000 | 29/32 |
| 1208145 | 1000 | 34/35 |
| 1208148 | 2000 | 29/32 |
| 1208149 | 2000 | 34/35 |



# BALÕES FUNDO REDONDO

## BALÕES FUNDO REDONDO COM SAÍDA LATERAL

Receivers With Vent



| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1208152 | 25 | 14/23 |

## BALÕES COM DUAS TUBULADURAS OBLÍQUAS

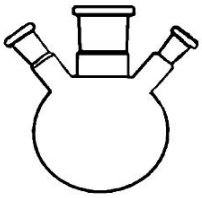
Flasks Round Botton, Two Necks

| REF. | CAP.ml | IN FÊMEA (CENTRAL) | IN FÊMEA (LATERAL) |
|---|---|---|---|
| 1204101 | 100 | 24/29 | 14/23 |
| 1204100 | 100 | 24/29 | 19/26 |
| 1204103 | 250 | 24/29 | 14/23 |
| 1204104 | 250 | 29/32 | 19/26 |
| 1204105 | 500 | 24/29 | 14/23 |
| 1204106 | 500 | 29/32 | 19/26 |
| 1204108 | 1000 | 24/29 | 14/23 |
| 1204109 | 1000 | 29/32 | 19/26 |
| 1204110 | 1000 | 29/32 | 24/29 |
| 1204113 | 2000 | 29/32 | 24/29 |

## BALÕES COM DUAS TUBULADURAS OBLÍQUAS

Flasks Round Botton, Two Necks

| REF. | CAP.ml | IN FÊMEA (CENTRAL) | IN FÊMEA (LATERAIS) |
|---|---|---|---|
| 1204114 | 100 | 19/26 | 14/23 |
| 1204115 | 100 | 24/29 | 14/23 |
| 1204116 | 100 | 24/29 | 19/26 |
| 1204117 | 250 | 19/26 | 19/26 |
| 1204118 | 250 | 24/29 | 14/23 |
| 1204119 | 250 | 24/29 | 19/26 |
| 1204120 | 250 | 29/32 | 14/23 |
| 1204123 | 500 | 24/29 | 14/23 |
| 1204124 | 500 | 24/29 | 19/26 |
| 1204125 | 500 | 29/32 | 14/23 |
| 1204129 | 1000 | 24/29 | 14/23 |
| 1204130 | 1000 | 24/29 | 19/26 |
| 1204131 | 1000 | 29/32 | 19/26 |
| 1204134 | 1000 | 34/35 | 19/26 |
| 1204136 | 2000 | 24/29 | 19/26 |
| 1204137 | 2000 | 29/32 | 19/26 |
| 1204138 | 2000 | 34/35 | 19/26 |

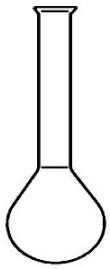


# BALÕES KJELDAHL

## BALÕES KJELDAHL

Flasks, Kjeldahl

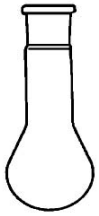
| REF. | CAP.ml |
|---|---|
| 1209100 | 50 |
| 1209101 | 100 |
| 1209102 | 250 |
| 1209103 | 300 |
| 1209104 | 500 |
| 1209105 | 1000 |



## BALÕES KJELDAHL COM IN

Kjeldahl Flasks

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1209106 | 50 | 19/26 |
| 1209107 | 100 | 19/26 |
| 1209108 | 100 | 24/29 |
| 1209109 | 250 | 24/29 |
| 1209111 | 500 | 24/29 |
| 1209112 | 500 | 29/32 |
| 1209113 | 1000 | 29/32 |

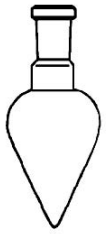


# BALÕES PERIFORMES

## BALÕES PERIFORME, COM IN

Flasks Pear Shape, Single Neck

| REF. | CAP.ml | IN FÊMEA |
|---|---|---|
| 1211104 | 5 | 10/19 |
| 1211105 | 5 | 14/23 |
| 1211106 | 10 | 10/19 |
| 1211107 | 10 | 14/23 |
| 1211108 | 25 | 10/19 |
| 1211109 | 25 | 14/23 |
| 1211110 | 50 | 14/23 |
| 1211111 | 50 | 19/26 |
| 1211113 | 100 | 14/23 |
| 1211114 | 100 | 19/26 |
| 1211115 | 100 | 24/29 |



## BALÕES PERIFORMES COM COLO CENTRAL E LATERAL

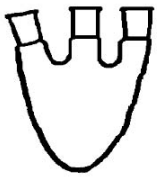
Flasks Pear Shape, Two Necks-Center Neck One Angled Side Neck

| REF. | CAP.ml | C.CENTRAL | C.LATERAL |
|---|---|---|---|
| 1211100 | 50 | 14/23 | 14/23 |
| 1211102 | 100 | 14/23 | 14/23 |
| 1211103 | 100 | 19/26 | 19/26 |

## BALÕES PERIFORMES COM TRÊS COLOS, CENTRAL, PARALELO E LATERAL EM ÂNGULO

Flasks Pear Shape, Three Necks

| REF. | CAP.ml | COLO CENTRAL | COLOS LATERAIS |
|---|---|---|---|
| 1211135 | 25 | 10/19 | 10/19 |
| 1211136 | 50 | 14/23 | 14/23 |
| 1211137 | 100 | 14/23 | 14/23 |



# BALÕES PERIFORMES

## BALÕES PERIFORMES COM SAÍDA PARA DESTILAÇÃO

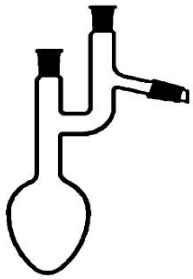
Flasks Pear Shape, Distillation

| REF. | CAP.ml | IN FÊMEA | IN MACHO |
|---|---|---|---|
| 1211120 | 10 | 14/23 | 14/23 |
| 1211121 | 25 | 14/23 | 14/23 |
| 1211122 | 50 | 14/23 | 14/23 |
| 1211123 | 100 | 14/23 | 14/23 |
| 1211124 | 250 | 19/26 | 19/26 |
| 1211125 | 500 | 19/26 | 19/26 |

## BALÕES PERIFORME TIPO CLAISEN

Flasks Pear Shape, Claisen

| REF. | CAP.ml | COLOS IN FÊMEA | COLOS IN MACHO |
|---|---|---|---|
| 1211126 | 25 | 10/19 | 10/19 |
| 1211127 | 25 | 14/23 | 14/23 |
| 1211128 | 50 | 14/23 | 14/23 |
| 1211129 | 100 | 19/26 | 19/26 |
| 1211130 | 250 | 19/26 | 19/26 |



## BALÕES PERIFORME TIPO CLAISEN-VIGREUX

Flasks Pear Shape, Claisen-Vigreux

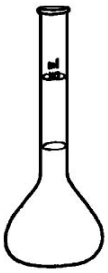
| REF. | CAP.ml | COLOS IN FÊMEA | COLOS IN MACHO |
|---|---|---|---|
| 1211131 | 25 | 14/23 | 14/23 |
| 1211132 | 50 | 14/23 | 14/23 |
| 1211133 | 100 | 14/23 | 14/23 |
| 1211134 | 250 | 19/26 | 19/26 |

# BALÕES ESPECIAIS

## BALÃO CASSIA GRADUADO

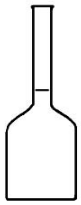
| REF. | CAP.ml | COLO GRAD. |
|---|---|---|
| 1203100 | 50 | 10 ml - 1/10 |
| 1203101 | 100 | 10 ml - 1/10 |
| 1203102 | 150 | 10 ml - 1/10 |

## BALÃO CASSIA (2 TRAÇOS)



| REF. | CAP.ml |
|---|---|
| 1203103 | 100-110 |

## BALÃO STOHMANN (GRADUADO)



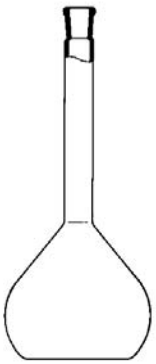
| REF. | CAP.ml |
|---|---|
| 1212100 | 250 |
| 1212101 | 500 |

# BALÕES VOLUMÉTRICOS

## BALÕES VOLUMÉTRICOS COM 1 TRAÇO SEM ROLHA

Volumetric Flasks Without Stoppers

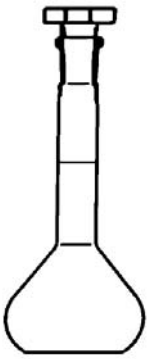
| REF. | CAP.ml |
|---|---|
| 1213100 | 1 |
| 1213101 | 2 |
| 1213102 | 5 |
| 1213103 | 10 |
| 1213104 | 15 |
| 1213105 | 20 |
| 1213106 | 25 |
| 1213107 | 50 |
| 1213108 | 100 |
| 1213109 | 250 |
| 1213110 | 500 |
| 1213111 | 1000 |
| 1213112 | 2000 |
| 1213113 | 5000 |
| 1213114 | 10000 |



## BALÕES VOLUMÉTRICOS COM 1 TRAÇO COM ROLHA

Volumetric Flasks, With Stoppers

| REF. | CAP.ml | IN |
|---|---|---|
| 1213118 | 1 | 7/16 |
| 1213119 | 2 | 10/13 |
| 1213120 | 5 | 10/19 |
| 1213121 | 10 | 10/19 |
| 1213122 | 15 | 10/19 |
| 1213123 | 20 | 10/19 |
| 1213124 | 25 | 10/19 |
| 1213125 | 50 | 12/21 |
| 1213126 | 100 | 12/21 |
| 1213127 | 150 | 12/21 |
| 1213128 | 200 | 14/23 |
| 1213129 | 250 | 14/23 |
| 1213131 | 500 | 19/26 |
| 1213132 | 1000 | 24/29 |
| 1213133 | 2000 | 29/32 |
| 1213134 | 5000 | 34/35 |
| 1213135 | 10000 | 45/40 |

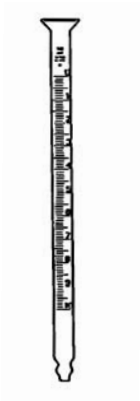


# BURETAS

## BURETAS COM OLIVA

Burette Tubes

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1303100 | 1 | 0,01 |
| 1303101 | 2 | 0,01 |
| 1303102 | 5 | 0,01 |
| 1303103 | 10 | 0,1 |
| 1303104 | 15 | 0,1 |
| 1303105 | 25 | 0,1 |
| 1303106 | 50 | 0,1 |
| 1303107 | 100 | 0,2 |



## BURETAS COM TORNEIRA DIREITA

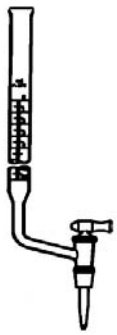
Burettes With Straight Stopcok

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1310100 | 1 | 0,01 |
| 1310101 | 2 | 0,01 |
| 1310102 | 5 | 0,01 |
| 1310103 | 10 | 0,1 |
| 1310104 | 15 | 0,1 |
| 1310106 | 25 | 0,1 |
| 1310109 | 50 | 0,1 |
| 1310110 | 100 | 0,2 |

## BURETAS COM TORNEIRA LATERAL

Burettes With Side Stopcok

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1304100 | 5 | 0,01 |
| 1304105 | 10 | 0,1 |
| 1304101 | 15 | 0,1 |
| 1304102 | 25 | 0,1 |
| 1304103 | 50 | 0,1 |
| 1304104 | 100 | 0,2 |



# BURETAS

## BURETAS ZERO AUTOMÁTICO (DAFFERT)

Burettes, Daffert, With Automatic Zero Adjustment

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1308100 | 10 | 0,1 |
| 1308101 | 25 | 0,1 |
| 1308102 | 50 | 0,1 |
| 1308103 | 100 | 0,2 |

## BURETAS ZERO AUTOMÁTICO TIPO AMERICANO

Automátic Burettes

| REF. BRANCO | REF. AMBAR | CAP.ml | GRAD.ml |
|---|---|---|---|
| 1308119 | 1308128 | 10 | 0,1 |
| 1308123 | 1308132 | 25 | 0,1 |
| 1308126 | 1308135 | 50 | 0,1 |
| 1308127 | 1308136 | 100 | 0,2 |

## BURETAS ZERO AUTOMÁTICO TIPO ALEMÃO

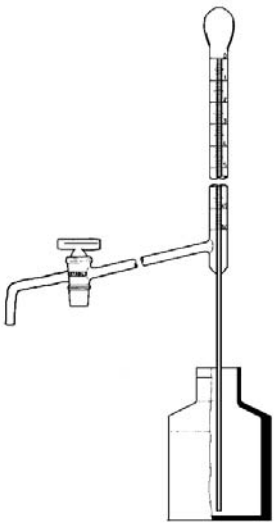
Automatic Burettes

| REF. BRANCO | REF. AMBAR | CAP.ml | GRAD.ml |
|---|---|---|---|
| 1308119 | 1308128 | 10 | 0,1 |
| 1308123 | 1308132 | 25 | 0,1 |
| 1308126 | 1308135 | 50 | 0,1 |
| 1308127 | 1308136 | 100 | 0,2 |

## BURETAS ZERO AUTOMÁTICO

Automatic Burettes

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1308107 | 10 | 0,1 |
| 1308108 | 25 | 0,1 |
| 1308109 | 50 | 0,1 |

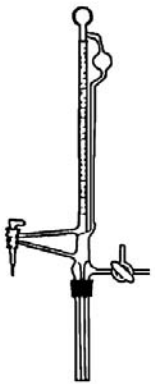


# BURETAS

## BURETAS ZERO AUTOMÁTICO PARA IODO

Automatic Burettes Iodo

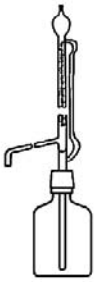
| REF. BRANCO | REF. AMBAR | CAP.ml | GRAD.ml |
|---|---|---|---|
| 1308110 | 1308113 | 12 | 0,1 |
| 1308111 | 1308114 | 25 | 0,1 |



## BURETAS ZERO AUTOMÁTICO PARA SODA

Automatic Burettes Soda

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1308116 | 12 | 0,1 |
| 1308117 | 25 | 0,1 |



## BURETAS ZERO AUTOMÁTICO ACIDÍMETRO DORNIC

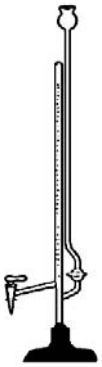
Automatic Burettes Dornic

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1308105 | 10 | 0,1 |
| 1308106 | 25 | 0,1 |

## BURETAS MICRO COM BASE

Micro Burettes

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1306100 | 1 | 0,01 |
| 1306101 | 2 | 0,01 |
| 1306102 | 5 | 0,01 |
| 1306104 | 10 | 0,02 |



# BURETAS ESPECIAIS

## BUNTE

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1302100 | 50 | 0,1 |
| 1302101 | 100 | 0,2 |

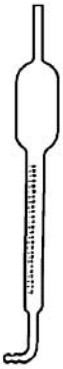
## GASES

| REF. | CAP.ml | GRAD.ml |
|---|---|---|
| 1307100 | 100 | 0,2 |

## GASES C/ TORNEIRA EM T

| REF. | CAP.ml | GRAD.ml | |
|---|---|---|---|
| 1307101 | 100 | 0-50/0,2 | 50-100 1traço |

## ORSAT



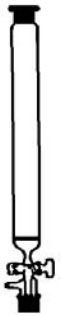
| REF. | CAP.ml | GRAD.ml | |
|---|---|---|---|
| 1309100 | 100 | 0-50/0,1 | 50-100/0,2 |

# COLUNAS

## COLUNAS CROMATOGRAFIA

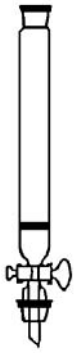
Chomatography Columns

### MODELO I



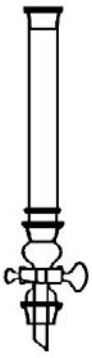
| REF. | Ø mm | ALT.mm | IN FÊMEA | IN MACHO |
|---|---|---|---|---|
| 1605100 | 10 | 300 | 14/23 | 19/26 |
| 1605101 | 15 | 300 | 14/23 | 19/26 |
| 1605102 | 20 | 300 | 14/23 | 19/26 |
| 1605103 | 30 | 300 | 14/23 | 19/26 |
| 1605104 | 30 | 400 | 14/23 | 19/26 |

### MODELO II



| REF. | Ø mm | ALT.mm | IN FÊMEA | IN MACHO |
|---|---|---|---|---|
| 1605105 | 10 | 300 | 14/23 | 19/26 |
| 1605106 | 15 | 300 | 14/23 | 19/26 |
| 1605107 | 20 | 300 | 14/23 | 19/26 |
| 1605108 | 30 | 300 | 14/23 | 19/26 |
| 1605109 | 30 | 400 | 14/23 | 19/26 |

### MODELO III

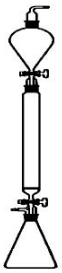


| REF. | Ø mm | ALT.mm | IN FÊMEA | IN MACHO |
|---|---|---|---|---|
| 1605110 | 10 | 300 | 14/23 | 19/26 |
| 1605111 | 15 | 300 | 14/23 | 19/26 |
| 1605112 | 20 | 300 | 14/23 | 19/26 |
| 1605113 | 30 | 300 | 14/23 | 19/26 |
| 1605114 | 30 | 400 | 14/23 | 19/26 |

# COLUNAS

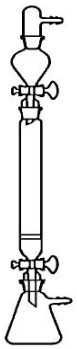
## APARELHO DE CROMATOGRAFIA COMPLETO

Columns-Cromatography



### MODELO I

| REF. A | COMPOSTO POR: |
|---|---|
| 3618100 | Completo |
| | Adaptador Curvo |
| | Ampola 100 ml |
| | Coluna Mod.1 |
| | Balão Erlenmeyer 100 ml |



### MODELO II

| REF. B | COMPOSTO POR: |
|---|---|
| 3618101 | Completo |
| | Adaptador Curvo |
| | Ampola 250 ml |
| | Coluna Mod.2 |
| | Balão Erlenmeyer 500 ml |

## COLUNAS DE FILTRAÇÃO (SEGUNDO ALLIHN) SEM PLACA

Columns - ALLIHN Without Disc

| REF. | Ø mm | ALT. UTIL ml |
|---|---|---|
| 1601220 | 10 | 100 |
| 1601222 | 15 | 200 |
| 1601223 | 15 | 400 |
| 1601225 | 20 | 200 |
| 1601227 | 30 | 400 |
| 1601229 | 40 | 800 |

## COLUNAS DE FILTRAÇÃO (ALLIHN) COM PLACA

Columns - ALLIHN With Disc

| REF. | Ø mm | ALT. UTIL ml |
|---|---|---|
| 1601167* | 10 | 100 |
| 1601169* | 15 | 200 |
| 1601171* | 20 | 200 |
| 1601174* | 30 | 400 |
| 1601175* | 40 | 800 |

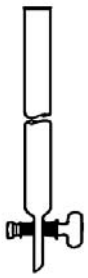
*(*)- Porosidade da placa a definir*

# COLUNAS

## COLUNAS DE FILTRAÇÃO (ALLIHN) COM TORNEIRA

Columns - ALLIHN With Stopcock

| REF. | Ø mm | ALT. UTIL ml |
|---|---|---|
| 1601134 | 10 | 100 |
| 1601177 | 15 | 200 |
| 1601179 | 20 | 200 |
| 1601183 | 30 | 400 |
| 1601185 | 40 | 800 |

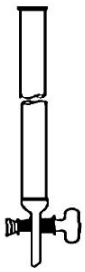


## COLUNAS DE FILTRAÇÃO (ALLIHN) COM TORNEIRA E PLACA

Columns - ALLIHN With Stopcock and Disc

| REF. | Ø mm | ALT. UTIL ml |
|---|---|---|
| 1601186* | 10 | 100 |
| 1601187* | 15 | 200 |
| 1601189* | 20 | 200 |
| 1601193* | 30 | 400 |
| 1601197* | 40 | 800 |

*(*)- Porosidade da placa a definir*



## COLUNAS DE FILTRAÇÃO (ALLIHN) COM IN E PLACA

Columns - ALLIHN With Socket and Disc

| REF. | Ø mm | ALT. UTIL ml | IN |
|---|---|---|---|
| 1601118* | 10 | 100 | 14/23 |
| 1601119* | 15 | 200 | 14/23 |
| 1601120* | 20 | 200 | 19/26 |
| 1601121* | 30 | 400 | 24/29 |
| 1601122* | 40 | 800 | 29/32 |

*(*)- Porosidade da placa a definir*

## COLUNAS DE FILTRAÇÃO (ALLIHN) COM IN PLACA E TORNEIRA

Columns - ALLIHN With Socket, Disc and Stopcock

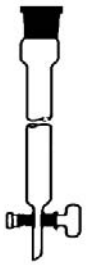
| REF. | Ø mm | ALT. UTIL ml | IN |
|---|---|---|---|
| 1601133* | 10 | 100 | 14/23 |
| 1601135* | 15 | 200 | 14/23 |
| 1601138* | 20 | 200 | 19/26 |
| 1601141* | 30 | 400 | 24/29 |
| 1601144* | 40 | 800 | 29/32 |

*(*)- Porosidade da placa a definir*

# COLUNAS

## COLUNAS DE FILTRAÇÃO (ALLIHN) COM IN E TORNEIRA

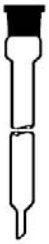
| REF. | Ø mm | ALT. UTIL ml | IN |
|---|---|---|---|
| 1601123 | 10 | 100 | 14/23 |
| 1601124 | 15 | 200 | 14/23 |
| 1601126 | 20 | 200 | 19/26 |
| 1601129 | 30 | 400 | 24/29 |
| 1601132 | 40 | 800 | 29/32 |



## COLUNAS DE FILTRAÇÃO(ALLIHN) COM IN SIMPLES

Columns - ALLIHN With Socket

| REF. | Ø mm | ALT. UTIL ml | IN |
|---|---|---|---|
| 1601113 | 10 | 100 | 14/23 |
| 1601114 | 15 | 200 | 14/23 |
| 1601115 | 20 | 200 | 19/26 |
| 1601116 | 30 | 400 | 24/29 |
| 1601117 | 40 | 800 | 29/32 |



## COLUNAS DE FILTRAÇÃO (ALLIHN) COM 2 IN'S

Columns - ALLIHN With 2 Sockets

| REF. | Ø mm | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|---|
| 1601100 | 10 | 100 | 14/23 | 14/23 |
| 1601102 | 15 | 200 | 14/23 | 14/23 |
| 1601103 | 20 | 200 | 19/26 | 19/26 |
| 1601106 | 30 | 400 | 24/29 | 24/29 |
| 1601107 | 40 | 800 | 29/32 | 29/32 |

## COLUNAS DE FILTRAÇÃO (ALLIHN) COM PLACA 2 IN'S

Columns - ALLIHN With 2 Sockets and Disc

| REF. | Ø mm | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|---|
| 1601108* | 10 | 100 | 14/23 | 14/23 |
| 1601109* | 15 | 200 | 14/23 | 14/23 |
| 1601110* | 20 | 200 | 19/26 | 19/26 |
| 1601111* | 30 | 400 | 24/29 | 24/29 |
| 1601112* | 40 | 800 | 29/32 | 29/32 |

*(*)- Porosidade da placa a definir*

# COLUNAS

## COLUNAS VIGREUX

Columns Vigreux

| REF. | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1602100 | 200 | 19/26 | 19/26 |
| 1602101 | 300 | 19/26 | 19/26 |
| 1602103 | 400 | 24/29 | 24/29 |
| 1602105 | 500 | 29/32 | 29/32 |
| 1602106 | 600 | 29/32 | 29/32 |

## COLUNAS VIGREUX COM TUBULADURA LATERAL 1 IN

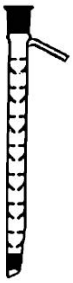
Columns Vigreux With Lateral Tubuludure and Socket

| REF. | ALT. UTIL ml | IN MACHO |
|---|---|---|
| 1602118 | 200 | 19/26 |
| 1602119 | 300 | 19/26 |
| 1602121 | 400 | 24/29 |
| 1602122 | 500 | 29/32 |
| 1602123 | 600 | 29/32 |

## COLUNAS VIGREUX COM TUBULADURA LATERAL 2 IN

Columns Vigreux With Lateral Tubuludure and 2 Socket

| REF. | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1602124 | 200 | 19/26 | 19/26 |
| 1602125 | 300 | 19/26 | 19/26 |
| 1602126 | 400 | 24/29 | 24/29 |
| 1602127 | 500 | 29/32 | 29/32 |



# COLUNAS

## COLUNAS VIGREUX COM ESFERAS NO INT: (SNYDER)

Columns Vigreux (SNYDER)

| REF. | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1602113 | 200 | 19/26 | 19/26 |
| 1602114 | 300 | 19/26 | 19/26 |
| 1602115 | 400 | 24/29 | 24/29 |
| 1602116 | 500 | 29/32 | 29/32 |
| 1602117 | 600 | 29/32 | 29/32 |

## COLUNAS VIGREUX COM CAMISA EXTERIOR E ROLHA DE BORRACHA

Columns Vigreux With Jacket and Rubber Stopper

| REF. | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1602108 | 200 | 19/26 | 19/26 |
| 1602109 | 300 | 19/26 | 19/26 |
| 1602110 | 400 | 24/29 | 24/29 |
| 1602111 | 500 | 29/32 | 29/32 |
| 1602112 | 600 | 29/32 | 29/32 |

## COLUNAS DO TIPO DUFTON

Dufton Columns

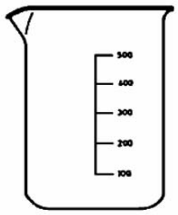
| REF. | ALT. UTIL ml | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 1603100 | 150 | 19/26 | 19/26 |
| 1603101 | 300 | 19/26 | 19/26 |
| 1603102 | 150 | 24/29 | 24/29 |
| 1603103 | 300 | 24/29 | 24/29 |

# COPOS

## COPOS FORMA ALTA

Beakers, Tall Form

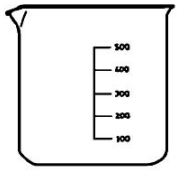
| REF. | CAP.ml |
|---|---|
| 1701100 | 5 |
| 1701101 | 25 |
| 1701102 | 50 |
| 1701103 | 100 |
| 1701104 | 150 |
| 1701105 | 250 |
| 1701106 | 400 |
| 1701107 | 600 |
| 1701108 | 800 |
| 1701109 | 1000 |



## COPOS FORMA BAIXA

Beakers, Low Form

| REF. | CAP.ml |
|---|---|
| 1702100 | 5 |
| 1702101 | 10 |
| 1702102 | 15 |
| 1702103 | 25 |
| 1702104 | 50 |
| 1702105 | 100 |
| 1702106 | 150 |
| 1702107 | 250 |
| 1702108 | 400 |
| 1702109 | 600 |
| 1702110 | 800 |
| 1702111 | 1000 |
| 1702112 | 2000 |
| 1702113 | 3000 |
| 1702114 | 5000 |

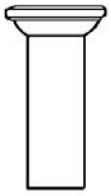


# ESMERILADOS

## ESMERILADOS ESFÉRICOS FÊMEAS

Standardized Half-Spherical Joints-Sockets

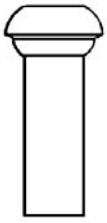
| REF. | COMP. HASTE mm | INE FÊMEA |
|---|---|---|
| 3002100 | 100 | 13 |
| 3002101 | 100 | 19 |
| 3002102 | 100 | 29 |
| 3002103 | 100 | 35 |
| 3002104 | 100 | 41 |
| 3002105 | 100 | 51 |



## ESMERILADOS ESFÉRICOS MACHOS

Standardized Half-Spherical Mule-Joints

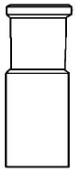
| REF. | COMP. HASTE mm | INE MACHO |
|---|---|---|
| 3003100 | 100 | 13 |
| 3003101 | 100 | 19 |
| 3003102 | 100 | 29 |
| 3003103 | 100 | 35 |
| 3003104 | 100 | 41 |
| 3003105 | 100 | 51 |



## ESMERILADOS FÊMEAS

Conical Joints-Sockets

| REF. | COMP. HASTE mm | IN FÊMEA |
|---|---|---|
| 3005100 | 100 | 7/19 |
| 3005101 | 100 | 10/19 |
| 3005102 | 100 | 12/21 |
| 3005103 | 100 | 14/23 |
| 3005104 | 100 | 19/26 |
| 3005105 | 100 | 24/29 |
| 3005106 | 100 | 29/32 |
| 3005107 | 100 | 34/35 |
| 3005108 | 100 | 40/38 |
| 3005109 | 100 | 45/40 |
| 3005110 | 100 | 50/42 |
| 3005111 | 100 | 55/50 |

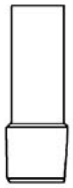


# ESMERILADOS

## ESMERILADOS MACHOS

Simple Joints-Cones

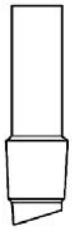
| REF. | COMP. HASTE mm | IN MACHO |
|---|---|---|
| 3006100 | 100 | 7/19 |
| 3006101 | 100 | 10/19 |
| 3006102 | 100 | 12/21 |
| 3006103 | 100 | 14/23 |
| 3006104 | 100 | 19/26 |
| 3006105 | 100 | 24/29 |
| 3006106 | 100 | 29/32 |
| 3006107 | 100 | 34/35 |
| 3006108 | 100 | 40/38 |
| 3006109 | 100 | 45/40 |
| 3006110 | 100 | 50/42 |
| 3006111 | 100 | 55/50 |



## ESMERILADOS COM BISEL

Conical Joints - Cones With Extension

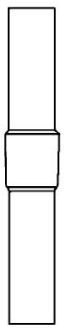
| REF. | COMP. HASTE mm | IN MACHO |
|---|---|---|
| 3004100 | 100 | 10/19 |
| 3004101 | 100 | 12/21 |
| 3004102 | 100 | 14/23 |
| 3004103 | 100 | 19/26 |
| 3004104 | 100 | 24/29 |
| 3004105 | 100 | 29/32 |
| 3004106 | 100 | 34/35 |
| 3004107 | 100 | 40/38 |
| 3004108 | 100 | 45/50 |
| 3004109 | 100 | 55/50 |



## ESMERILADOS COM HASTE

Cones With Extension Special Tubes Sizes

| REF. | COMP. HASTE mm | IN MACHO |
|---|---|---|
| 3001100 | 100 | 10/19 |
| 3001101 | 100 | 14/23 |
| 3001102 | 100 | 19/26 |
| 3001103 | 100 | 24/29 |
| 3001104 | 100 | 29/32 |
| 3001105 | 100 | 34/35 |
| 3001106 | 100 | 45/40 |

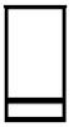


# CADINHOS

## CADINHOS FILTRANTES (MICRO/TEKATOR)

Filter Crucibles

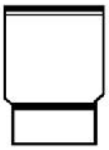
| REF. | CAP.ml | Ø mm PLACA | POR. |
|---|---|---|---|
| 28011122004 | 8 | 20 | 4 |
| 28011133002 | 30 | 30 | 2 |



## CADINHOS FILTRANTES

Filter Crucibles

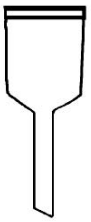
| REF. | CAP.ml | Ø mm PLACA | POR. |
|---|---|---|---|
| 2801100 | 15 | 20 | 1 |
| 2801101 | 15 | 20 | 2 |
| 2801102 | 15 | 20 | 3 |
| 2801103 | 15 | 20 | 4 |
| 2801104 | 30 | 30 | 1 |
| 2801105 | 30 | 30 | 2 |
| 2801106 | 30 | 30 | 3 |
| 2801107 | 30 | 30 | 4 |
| 2801108 | 50 | 40 | 1 |
| 2801109 | 50 | 40 | 2 |
| 2801110 | 50 | 40 | 3 |
| 2801111 | 50 | 40 | 4 |



## ALONGAS PARA CADINHOS FILTRANTES

Adapters For Filter Funnels

| REF. | CAP.ml | Ø EXT. CORPO | LONG. TUBO | ALT. TOTAL |
|---|---|---|---|---|
| 2899100 | 15 | 40 | 90 | 140 |
| 2899101 | 30 | 45 | 90 | 155 |
| 2899102 | 50 | 55 | 100 | 175 |



# FUNIS

## FUNIS DE FILTRAÇÃO COM PLACA

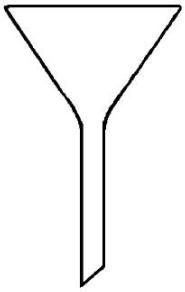
Filter Funnels With Disc

| REF. | CAP.ml | Ø mm PLACA | POR. |
|---|---|---|---|
| 2003100 | 30 | 30 | 1 |
| 2003101 | 30 | 30 | 2 |
| 2003102 | 30 | 30 | 3 |
| 2003103 | 30 | 30 | 4 |
| 2003104 | 60 | 40 | 1 |
| 2003105 | 60 | 40 | 2 |
| 2003106 | 60 | 40 | 3 |
| 2003107 | 60 | 40 | 4 |
| 2003108 | 140 | 65 | 1 |
| 2003109 | 140 | 65 | 2 |
| 2003110 | 140 | 65 | 3 |
| 2003111 | 140 | 65 | 4 |

## FUNIS DE USO GERAL, ÂNGULO DE 60°

Funnels, Plain Acucurat 60°, Short Stem

| REF. | Ø EXT. mm | COMP. HASTE mm | Ø HASTE mm |
|---|---|---|---|
| 2005100 | 30 | 30 | 6 |
| 2005101 | 35 | 35 | 6 |
| 2005102 | 40 | 40 | 6 |
| 2005103 | 45 | 45 | 7 |
| 2005104 | 50 | 50 | 7 |
| 2005105 | 55 | 55 | 7 |
| 2005106 | 60 | 60 | 7 |
| 2005107 | 65 | 65 | 7 |
| 2005108 | 70 | 70 | 7 |
| 2005109 | 75 | 75 | 8 |
| 2005110 | 80 | 80 | 8 |
| 2005111 | 85 | 85 | 8 |
| 2005112 | 90 | 90 | 8 |
| 2005113 | 95 | 95 | 8 |
| 2005114 | 100 | 100 | 9 |
| 2005115 | 110 | 100 | 9 |
| 2005116 | 120 | 100 | 9 |
| 2005117 | 130 | 100 | 9 |
| 2005118 | 150 | 100 | 9 |
| 2005119 | 180 | 100 | 9 |
| 2005120 | 200 | 100 | 9 |

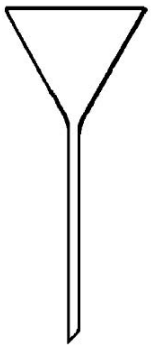


# FUNIS

## HASTE COMPRIDA

Funnels Analytical, Long Stem 60°

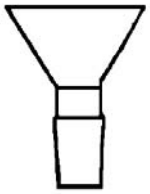
| REF. | Ø EXT. mm | COMP. HASTE mm | Ø HASTE mm |
|---|---|---|---|
| 2004100 | 30 | 130 | 6 |
| 2004101 | 40 | 130 | 6 |
| 2004102 | 50 | 130 | 7 |
| 2004103 | 60 | 130 | 7 |
| 2004104 | 70 | 130 | 7 |
| 2004105 | 80 | 130 | 8 |
| 2004106 | 90 | 140 | 9 |
| 2004107 | 100 | 140 | 9 |



## FUNÍS COM IN PARA SÓLIDOS

Solid Addition Funnels

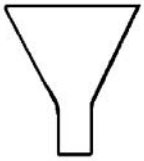
| REF. | Ø EXT. mm | IN MACHO |
|---|---|---|
| 2002100 | 70 | 14/23 |
| 2002101 | 80 | 19/26 |
| 2002104 | 90 | 24/29 |
| 2002103 | 95 | 29/32 |
| 2002102 | 100 | 29/32 |



## FUNÍS PARA PÓS

Powder Funnels

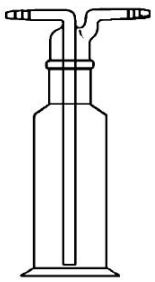
| REF. | Ø EXT. mm |
|---|---|
| 2001100 | 60 |
| 2001101 | 65 |
| 2001102 | 70 |
| 2001103 | 75 |
| 2001104 | 80 |
| 2001105 | 85 |
| 2001106 | 90 |
| 2001107 | 95 |
| 2001108 | 100 |



# FRASCOS

## FRASCOS LAVADORES DE GASES

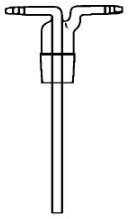
Gas Wash Bottles, Standart



| REF. | CAP. ml | ALT. TOTAL mm | IN |
|---|---|---|---|
| 1909100 | 100 | 205 | 29/32 |
| 1909101 | 250 | 205 | 29/32 |
| 1909102 | 500 | 205 | 29/32 |
| 1909103 | 1000 | 205 | 29/32 |

## CABEÇAS PARA FRASCOS LAVADORES SEM PLACA

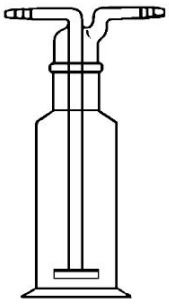
Wash Bottles Heads



| REF. | ALT. TOTAL mm | IN |
|---|---|---|
| 1401104 | 195 | 29/32 |

## FRASCOS LAVADORES DE GASES COM PLACA

Gas Wash Bottles, With Porous Plate



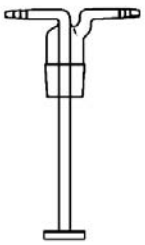
| REF. | CAP.ml | ALT. TOTAL mm | IN | POR. |
|---|---|---|---|---|
| 1932100 | 100 | 205 | 29/32 | 1 |
| 1932101 | 100 | 205 | 29/32 | 2 |
| 1932102 | 100 | 205 | 29/32 | 3 |
| 1932103 | 100 | 205 | 29/32 | 4 |
| 1932104 | 250 | 205 | 29/32 | 1 |
| 1932105 | 250 | 205 | 29/32 | 2 |
| 1932106 | 250 | 205 | 29/32 | 3 |
| 1932107 | 250 | 205 | 29/32 | 4 |
| 1932108 | 500 | 205 | 29/32 | 1 |
| 1932109 | 500 | 205 | 29/32 | 2 |
| 1932110 | 500 | 205 | 29/32 | 3 |
| 1932111 | 500 | 205 | 29/32 | 4 |
| 1932112 | 1000 | 205 | 29/32 | 1 |
| 1932113 | 1000 | 205 | 29/32 | 2 |
| 1932114 | 1000 | 205 | 29/32 | 3 |
| 1932115 | 1000 | 205 | 29/32 | 4 |

# FRASCOS

## CABEÇAS PARA FRASCOS LAVADORES COM PLACA

Head, Sintered Glass Disc Only

| REF. | ALT. TOTAL mm | IN | POR. |
|---|---|---|---|
| 1401100 | 195 | 29/32 | 1 |
| 1401101 | 195 | 29/32 | 2 |
| 1401102 | 195 | 29/32 | 3 |
| 1401103 | 195 | 29/32 | 4 |



## FRASCOS REAGENTES BOCA ESTREITA COM ROLHA KALLER IN

Bottles Reagent, Narrow Neck

### BRANCO

| REF. | CAP. ml | IN |
|---|---|---|
| 1911100 | 50 | 14/23 |
| 1911101 | 100 | 14/23 |
| 1911102 | 250 | 19/26 |
| 1911103 | 500 | 29/32 |
| 1911106 | 1000 | 29/32 |
| 1911105 | 2000 | 29/32 |

### AMARELO

| REF. | CAP. ml | IN |
|---|---|---|
| 1911107 | 50 | 14/23 |
| 1911108 | 100 | 14/23 |
| 1911109 | 250 | 19/26 |
| 1911110 | 500 | 29/32 |
| 1911112 | 1000 | 29/32 |
| 1911111 | 2000 | 29/32* |

*(*)- Para Buretas*

# FRASCOS

## FRASCOS REAGENTES BOCA LARGA COM ROLHA KALLER

Bottles Reagent, Wide Neck

### BRANCO

| REF. | CAP. ml | IN |
|---|---|---|
| 1915101 | 100 | 24/29 |
| 1915102 | 250 | 34/35 |
| 1915103 | 500 | 50/45 |
| 1915104 | 1000 | 50/45 |

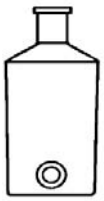
### AMARELO

| REF. | CAP. ml | IN |
|---|---|---|
| 1915107 | 100 | 24/29 |
| 1915108 | 250 | 34/35 |
| 1915109 | 500 | 50/45 |
| 1915110 | 1000 | 50/45 |

## FRASCOS COM TUBULADURA INFERIOR

Aspirator Bottles

| REF. | CAP. ml |
|---|---|
| 1905100 | 100 |
| 1905101 | 250 |
| 1905102 | 500 |
| 1905103 | 1000 |
| 1905104 | 2000 |



## FRASCOS DE NÍVEL

Levelling Bottles

| REF. | CAP. ml |
|---|---|
| 1907100 | 100 |
| 1907101 | 250 |
| 1907102 | 500 |
| 1907103 | 1000 |

## FRASCOS PARA RECOLHA DE AMOSTRAS DE LEITE

Bottles, Sample Milk

### BOCA ESTREITA

| REF. | CAP. ml |
|---|---|
| 1902100 | 110 |

### BOCA LARGA

| REF. | CAP. ml |
|---|---|
| 1902101 | 110 |

# FRASCOS

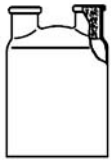
## FRASCOS PARA ÓLEO DE CEDRO E XILOL

Bottles For Cedar Oil-Xilol

| REF. | CAP. ml |
|---|---|
| 1910100 | 30 |

## FRASCOS WOULFF 2 TUBULADURAS

Bottles Woulff



| REF. | CAP. ml |
|---|---|
| 1913100 | 100 |
| 1913101 | 250 |
| 1913102 | 500 |
| 1913103 | 1000 |
| 1913104 | 2000 |

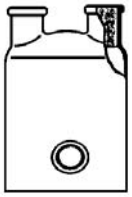
## FRASCOS WOULFF 3 TUBULADURAS

Bottles Woulff

| REF. | CAP. ml |
|---|---|
| 1913110 | 100 |
| 1913111 | 250 |
| 1913112 | 500 |
| 1913113 | 1000 |
| 1913114 | 2000 |

## FRASCOS WOULFF 2 TUBULADURAS E 1 INFERIOR

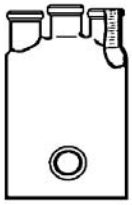
Bottles Woulff



| REF. | CAP. ml |
|---|---|
| 1913105 | 100 |
| 1913106 | 250 |
| 1913107 | 500 |
| 1913108 | 1000 |
| 1913109 | 2000 |

## FRASCOS WOULFF 3 TUBULADURAS E 1 INFERIOR

Bottles Woulff



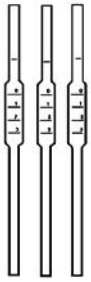
| REF. | CAP. ml |
|---|---|
| 1913115 | 100 |
| 1913116 | 250 |
| 1913117 | 500 |
| 1913118 | 1000 |
| 1913119 | 2000 |

# HIDROTIMETRIA *Análises de água*

## FRASCO WINKLER

| REF. | CAP. ml |
|---|---|
| 1912101 | 250 |

## JOGO DE TRÊS PIPETAS



| REF. | CAP. ml |
|---|---|
| 2316100 | 5 (1-2-3) |

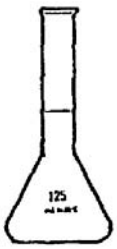
## GALHETA HIDROMÉTRICA (2,4 ml está dividido em 22 divisões)

| REF. | CAP. ml |
|---|---|
| 4501100 | 7 |

## BURETA HIDROMÉTRICA

| REF. | CAP. ml |
|---|---|
| 1301100 | 0-20 1/2 div. |

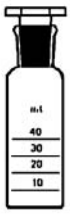
## BALÃO DE EBULIÇÃO




| REF. | CAP. ml |
|---|---|
| 1229101 | 250 |

# HIDROTIMETRIA *Análises de água*

## FRASCO HIDROMÉTRICO (com traços a 10-20-30-40 ml)




| REF. | CAP. ml |
|---|---|
| 1901100 | 40 |

## CONE IMHOFF

| REF. | DIV. |
|---|---|
| 4301100 | 0-1 em 1/10 |
| | 1-5 em 1/2 |
| | 5-40 em 1/1 |
| | 1 traço a 1000 |

## LAMPARINAS PARA ÁLCOOL

Night-Lamp For Alcohol

| REF. | CAP. ml | ALT. mm |
|---|---|---|
| 4801100 | 95 | 80 |

## PIPETA LUNGE-REY (Para pesar líquidos tóxicos e fumantes)

Lunge-Rey Pippetes

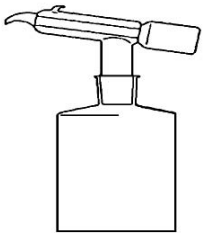
| REF. | CAP. DEPÓSITO ml |
|---|---|
| 2301100 | 5 |
| 2301101 | 10 |

# HIDROTIMETRIA *Análises de água*

## MEDIDOR DE KIPP-AUTOMÁTICO COM FRASCO

Automatic Kipp Measurer

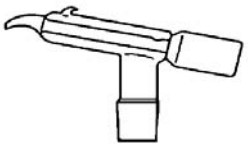
| REF. | CAP. MEDIDOR ml | CAP. FRASCO ml |
|---|---|---|
| 2101100 | 1 | 250 |
| 2101101 | 5 | 250 |
| 2101102 | 10 | 500 |
| 2101103 | 15 | 500 |
| 2101104 | 20 | 500 |
| 2101105 | 25 | 1000 |
| 2101106 | 50 | 1000 |
| 2101107 | 100 | 1000 |



## MEDIDOR DE KIPP-AUTOMÁTICO COM IN

Automatic Kipp Measurer

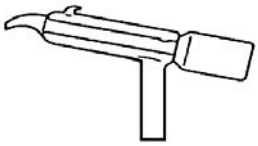
| REF. | CAP. MEDIDOR ml | IN |
|---|---|---|
| 2101108 | 1 | 19/26 |
| 2101109 | 5 | 19/26 |
| 2101110 | 10 | 29/32 |
| 2101111 | 15 | 29/32 |
| 2101112 | 20 | 29/32 |
| 2101113 | 25 | 29/32 |
| 2101114 | 50 | 29/32 |
| 2101115 | 100 | 29/32 |



## MEDIDOR DE KIPP-AUTOMÁTICO PARA ROLHA DE BORRACHA

Automatic Kipp Measurer

| REF. | CAP. MEDIDOR ml |
|---|---|
| 2101116 | 1 |
| 2101117 | 5 |
| 2101118 | 10 |
| 2101119 | 15 |
| 2101120 | 20 |
| 2101121 | 25 |
| 2101122 | 50 |
| 2101123 | 100 |

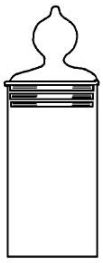


# PESA-FILTROS

## PESA-FILTROS, FORMA ALTA

Weighing Bottles, Tall Shape

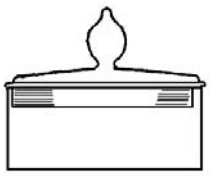
| REF. | Ø EXT.mm | ALT.mm |
|---|---|---|
| 3201100 | 10 | 80 |
| 3201101 | 25 | 40 |
| 3201102 | 30 | 50 |
| 3201104 | 35 | 70 |
| 3201106 | 40 | 80 |
| 3201108 | 50 | 80 |



## PESA-FILTROS, FORMA BAIXA

Weighing Bottles, Flat Shape

| REF. | Ø EXT.mm | ALT.mm |
|---|---|---|
| 3202100 | 25 | 25 |
| 3202101 | 30 | 35 |
| 3202102 | 40 | 35 |
| 3202103 | 50 | 35 |
| 3202104 | 50 | 50 |
| 3202105 | 60 | 35 |
| 3202106 | 70 | 35 |
| 3202107 | 80 | 35 |
| 3202108 | 80 | 50 |



# PICNOMETROS

## PICNÓMETROS PARA LÍQUIDOS

Pyknometer, Pear Shape, With Perforated Stopper

| REF. | CAP. ml |
|---|---|
| 2201100 | 5 |
| 2201101 | 10 |
| 2201109 | 25 |
| 2201103 | 50 |
| 2201104 | 100 |

## PICNÓMETROS PARA SÓLIDOS

Pycnometers, Solids

| REF. | CAP. ml |
|---|---|
| 2202100 | 10 |
| 2202101 | 25 |
| 2202102 | 50 |
| 2202103 | 100 |
| 2201104 | 250 |
| 2202105 | 500 |

## PICNÓMETROS PRODUTOS ASFÁLTICOS (ASTM D170)

Pycnometers (HUBBARD)

| REF. | Ø INT. mm | ALT. mm | CAP. ml |
|---|---|---|---|
| 2204100 | 22 | 70 | 25 |
| 2204101 | 30 | 97 | 50 |

## PICNÓMETROS PARA CERVEJA

Pycnometers, Beer

| REF. | Ø INT. mm | ALT. mm | CAP. ml |
|---|---|---|---|
| 2203100 | 32 | 150 | ± 50 |

# PIPETAS

## PIPETAS (ROBINSON)

Pipettes Robinson

| REF. | CAP. ml |
|---|---|
| 2307100 | 5 |
| 2307101 | 10 |
| 2307102 | 15 |
| 2307103 | 20 |
| 2307104 | 25 |
| 2307105 | 50 |

## PIPETAS PARA DOSAGEM DA GLICÉMIA

Blood Sugar Pipettes

| REF. | CAP. ml | COMP.mm |
|---|---|---|
| 2306100 | 0,1/0,2 | 200 |
| 2306101 | 0,2 | 200 |

## PIPETAS HEMOGLOBINA SAHLI

Haemometer Pipettes acc.to Sahli

| REF. | CAP. ml | COMP.mm |
|---|---|---|
| 2303100 | 20 | 125 |

## PIPETAS GRADUADAS ESCOAMENTO PARCIAL (DIN 12 697)

Measuring Pipettes, For Partial Outflow

### CLASSE A

| REF. | CAP.ml | DIV. em | COMP.mm | TOL. ± ml |
|---|---|---|---|---|
| 5002121 | 1 | 1/10 | 360 | 0,006 |
| 5002122 | 1 | 1/100 | 360 | 0,006 |
| 5002123 | 2 | 2/10 | 360 | 0,01 |
| 5002124 | 2 | 1/100 | 360 | 0,01 |
| 5002126 | 5 | 5/10 | 360 | 0,03 |
| 5002127 | 10 | 1/10 | 360 | 0,05 |
| 5002128 | 20 | 1/10 | 360 | 0,1 |
| 5002129 | 25 | 1/10 | 450 | 0,1 |

# PIPETAS

## PIPETAS GRADUADAS ESCOAMENTO TOTAL (DIN 12 697)

Measuring Pipettes, For Complete Outflow

### CLASSE A

| REF. | CAP.ml | DIV. EM | COMP.mm | TOL. ± ml |
|---|---|---|---|---|
| 5002100 | 0,1 | 1/1000 | 360 | 0,003 |
| 5002101 | 0,2 | 1/1000 | 360 | 0,003 |
| 5002102 | 0,5 | 1/100 | 360 | 0,005 |
| 5002103 | 1 | 1/10 | 360 | 0,006 |
| 5002104 | 1 | 1/100 | 360 | 0,006 |
| 5002105 | 2 | 1/10 | 360 | 0,01 |
| 5002106 | 2 | 1/100 | 360 | 0,01 |
| 5002108 | 5 | 1/10 | 360 | 0,03 |
| 5002109 | 5 | 1/20 | 360 | 0,03 |
| 5002110 | 10 | 1/10 | 360 | 0,05 |
| 5002112 | 20 | 1/10 | 360 | 0,1 |
| 5002113 | 25 | 1/10 | 450 | 0,1 |

## PIPETAS GRADUADAS COM SERINGA

Graduated Pipettes Piston Type

### CLASSE A

| REF. | CAP. ml | DIV. em |
|---|---|---|
| 2302116 | 1 | 1/100 |
| 2302117 | 2 | 1/100 |
| 2302118 | 5 | 1/10 |
| 2302119 | 10 | 1/10 |
| 2302120 | 25 | 1/10 |

## PIPETAS SEDIMENTAÇÃO WESTERGREEN

Bood Sedimentation Pipettes, Westergreen

### PIPETAS MACRO

| REF. | DIV. em | COMP.mm |
|---|---|---|
| 2304100 | 0-200 | 300 |

# PIPETAS

## PIPETAS SEDIMENTAÇÃO WESTERGREEN

Bood Sedimentation Pipettes, Westergreen

### PIPETAS MICRO COMPRIDA



| REF. | DIV. em | COMP.mm |
|---|---|---|
| 2305100 | 0-200 | 300 |

## PIPETAS MICRO CURTA

Micro Pipettes Short

| REF. | DIV. em | COMP.mm |
|---|---|---|
| 2305101 | 0-100 | 150 |

## PIPETAS VOLUMÉTRICA COM 1 TRAÇO

### CLASSE A

| REF. | CAP. ml | COMP.mm |
|---|---|---|
| 2310128 | 0,5 | 300 |
| 2310100 | 1 | 300 |
| 2310101 | 1,5 | 300 |
| 2310102 | 2 | 330 |
| 2310104 | 3 | 350 |
| 2310107 | 5 | 400 |
| 2310112 | 10 | 440 |
| 2310113 | 15 | 510 |
| 2310114 | 20 | 510 |
| 2310115 | 25 | 520 |
| 2310116 | 30 | 520 |
| 2310118 | 50 | 540 |
| 2310122 | 100 | 540 |
| 2310124 | 200 | 540 |

# PIPETAS

## PIPETAS VOLUMÉTRICA COM 2 TRAÇOS

Volumetric Pipettes With Two Marks

### CLASSE A

| REF. | CAP. ml | COMP.mm |
|---|---|---|
| 2312101 | 1 | 300 |
| 2312103 | 2 | 330 |
| 2312108 | 5 | 400 |
| 2312113 | 10 | 440 |
| 2312114 | 15 | 510 |
| 2312115 | 20 | 510 |
| 2312116 | 25 | 520 |
| 2312119 | 50 | 540 |
| 2312123 | 100 | 540 |

## PIPETAS VOLUMÉTRICAS, COM 1 TRAÇO E SERINGA

Volumetric Pipettes Piston Type

### CLASSE A

| REF. | CAP. ml |
|---|---|
| 2309100 | 1 |
| 2309103 | 2 |
| 2309105 | 5 |
| 2309106 | 10 |
| 2309101 | 20 |
| 2309102 | 25 |
| 2309104 | 50 |

## PIPETAS PASTEUR

Pipettes Pasteur

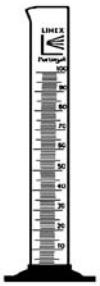
| REF. | Ø EXT. mm | COMP.mm | QUANT. CX. |
|---|---|---|---|
| 2308100 | 7/8 | 230 | 250 |

# PROVETAS

## PROVETAS GRADUADAS COM BASE DE PLÁSTICO

Measuring Cylinders With Spout and Plástic Socket

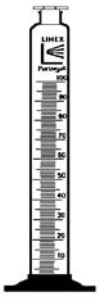
| REF. | CAP. ml | DIV. em ml |
|---|---|---|
| 3501145 | 10 | 0,1 |
| 3501100 | 25 | 0,5 |
| 3501101 | 50 | 0,5 |
| 3501102 | 100 | 1 |
| 3501103 | 250 | 2 |
| 3501104 | 500 | 5 |
| 3501105 | 1000 | 10 |



## PROVETAS GRADUADAS COM BASE DE PLÁSTICO COM IN

Measuring Cylinders NS-Neck and Plástic Socket

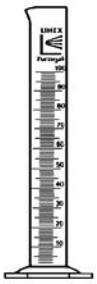
| REF. | CAP. ml | DIV. em ml | IN |
|---|---|---|---|
| 3501106 | 10 | 0,1 | 10/19 |
| 3501107 | 25 | 0,5 | 14/23 |
| 3501108 | 50 | 1 | 19/26 |
| 3501109 | 100 | 1 | 24/29 |
| 3501110 | 250 | 2 | 29/32 |



## PROVETAS GRADUADAS COM BASE DE VIDRO HEXAGONAL (DIN 12680)

Measuring Cylinders With Hexagonal Base

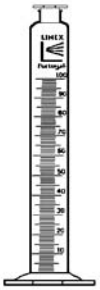
| REF. | CAP. ml | DIV. em ml | TOL. ± ml |
|---|---|---|---|
| 3501111 | 5 | 0,1 | 0,1 |
| 3501112 | 10 | 0,1 | 0,2 |
| 3501113 | 25 | 0,5 | 0,5 |
| 3501114 | 50 | 0,5 | 1 |
| 3501115 | 100 | 1 | 1 |
| 3501116 | 250 | 2 | 2 |
| 3501117 | 500 | 5 | 5 |
| 3501118 | 1000 | 10 | 10 |
| 3501119 | 2000 | 20 | 20 |



## PROVETAS GRADUADAS C/ BASE DE VIDRO HEXAGONAL C/ IN R/P (DIN 12680)

Measuring Cylinders, Hexagonal Base NS-Neck and Plástic Socket

| REF. | CAP. ml | DIV. em ml | IN |
|---|---|---|---|
| 3501129 | 5 | 0,1 | 10/19 |
| 3501130 | 10 | 0,1 | 10/19 |
| 3501131 | 25 | 0,5 | 14/23 |
| 3501132 | 50 | 1 | 19/26 |
| 3501133 | 100 | 1 | 24/29 |
| 3501135 | 250 | 2 | 29/32 |
| 3501136 | 500 | 5 | 34/35 |
| 3501137 | 1000 | 10 | 45/40 |

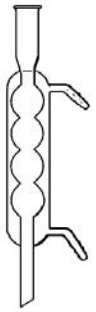


# REFRIGERANTES

## REFRIGERANTE DE BOLAS ALLIHN

Allihn Condensers

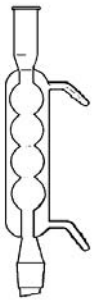
| REF. | COMP. mm |
|---|---|
| 2502100 | 100 |
| 2502101 | 200 |
| 2502102 | 300 |
| 2502103 | 400 |
| 2502104 | 500 |
| 2502105 | 600 |



## REFRIGERANTE DE BOLAS ALLIHN COM 1 IN

Allihn Condensers

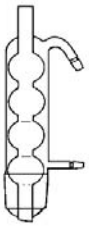
| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2502106 | 200 | 19/26 |
| 2502107 | 200 | 24/29 |
| 2502108 | 200 | 29/32 |
| 2502109 | 300 | 19/26 |
| 2502110 | 300 | 24/29 |
| 2502111 | 300 | 29/32 |
| 2502112 | 400 | 19/26 |
| 2502113 | 400 | 24/29 |
| 2502114 | 400 | 29/32 |
| 2502115 | 500 | 19/26 |
| 2502116 | 500 | 24/29 |
| 2502117 | 500 | 29/32 |



## REFRIGERANTE PARA APARELHO SOXHLET

Extractor, Soxhlet

| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2505100 | 100 | 34/35 |
| 2505101 | 150 | 45/50 |
| 2505102 | 200 | 45/50 |
| 2505103 | 250 | 45/50 |
| 2505104 | 300 | 45/50 |
| 2505105 | 300 | 50/55 |
| 2505106 | 400 | 50/55 |

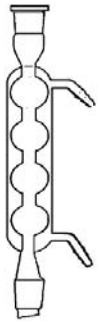


# REFRIGERANTES

## REFRIGERANTE DE BOLAS ALLIHN COM 2 IN

Allihn Condensers, With Cone and Socket

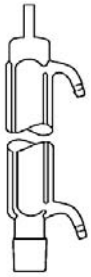
| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2502118 | 200 | 14/23 | 14/23 |
| 2502119 | 200 | 19/26 | 19/26 |
| 2502120 | 200 | 24/29 | 24/29 |
| 2502121 | 200 | 29/32 | 29/32 |
| 2502122 | 300 | 14/23 | 14/23 |
| 2502123 | 300 | 19/26 | 19/26 |
| 2502124 | 300 | 24/29 | 29/32 |
| 2502125 | 400 | 29/32 | 29/32 |
| 2502126 | 500 | 14/23 | 14/23 |
| 2502127 | 500 | 19/26 | 19/26 |
| 2502128 | 500 | 24/29 | 24/29 |
| 2502129 | 500 | 29/32 | 29/32 |



## REFRIGERANTES DAVIES DUPLA CAMISA

Davies Condensers, Multiple Surface Condenser, With Cone and Socket

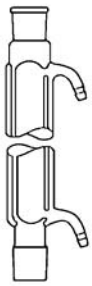
| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2501100 | 100 | 24/29 |
| 2501101 | 200 | 24/29 |
| 2501102 | 200 | 29/32 |
| 2501103 | 300 | 24/29 |
| 2501104 | 300 | 29/32 |
| 2501105 | 500 | 24/29 |
| 2501106 | 500 | 29/32 |



## REFRIGERANTES DAVIES DUPLA CAMISA E IN

Davies Condensers, Multiple Surface Condenser, With Cone and Socket

| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2501107 | 100 | 10/19 | 10/19 |
| 2501108 | 150 | 14/23 | 14/23 |
| 2501109 | 150 | 19/26 | 19/26 |
| 2501110 | 150 | 24/29 | 24/29 |
| 2501111 | 200 | 24/29 | 24/29 |
| 2501112 | 200 | 29/32 | 29/32 |
| 2501113 | 500 | 24/29 | 24/29 |
| 2501114 | 500 | 29/32 | 29/32 |

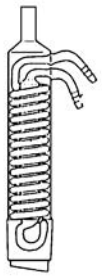


# REFRIGERANTES

## REFRIGERANTE DIMROTH COM IN

Dimroth Condensers, With Cone and Socket

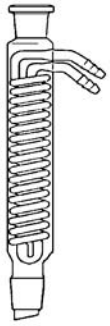
| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2509113 | 100 | 34/35 |
| 2509114 | 150 | 45/50 |
| 2509115 | 200 | 45/50 |
| 2509116 | 250 | 45/50 |
| 2509117 | 300 | 45/50 |
| 2509118 | 300 | 50/55 |



## REFRIGERANTE DIMROTH COM 2 IN'S

Dimroth Condensers, With Cone and Socket

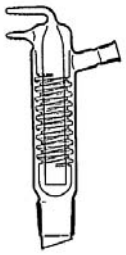
| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2509100 | 200 | 14/23 | 14/23 |
| 2509101 | 200 | 19/26 | 19/26 |
| 2509102 | 200 | 24/29 | 24/29 |
| 2509103 | 200 | 29/32 | 29/32 |
| 2509104 | 300 | 14/23 | 14/23 |
| 2509105 | 300 | 19/26 | 19/26 |
| 2509106 | 300 | 24/29 | 24/29 |
| 2509107 | 300 | 29/32 | 29/32 |
| 2509108 | 300 | 45/50 | 45/50 |
| 2509109 | 400 | 29/32 | 29/32 |
| 2509110 | 400 | 45/50 | 45/50 |
| 2509111 | 500 | 29/32 | 29/32 |
| 2509112 | 500 | 45/50 | 45/50 |



## REFRIGERANTE FRIEDRICHS

Friedrichs Condensers

| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2503100 | 180 | 29/32 | 19/26 |



## REFRIGERANTE LIEBIG (RECTO)

Liebig Condensers, With Fused-on Jacket

| REF. | COMP.mm |
|---|---|
| 2504100 | 200 |
| 2504101 | 300 |
| 2504102 | 400 |
| 2504103 | 500 |
| 2504104 | 600 |
| 2504105 | 700 |
| 2504106 | 1000 |

# REFRIGERANTES

## REFRIGERANTE LIEBIG (RECTO) COM 1 IN

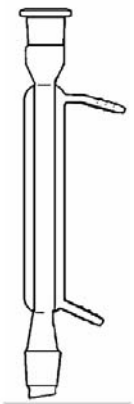
Liebig Condensers, With Fused-on Jacket

| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2504107 | 200 | 14/23 |
| 2504108 | 200 | 19/26 |
| 2504109 | 200 | 24/29 |
| 2504110 | 200 | 29/32 |
| 2504111 | 300 | 14/23 |
| 2504112 | 300 | 19/26 |
| 2504113 | 300 | 24/29 |
| 2504114 | 300 | 29/32 |
| 2504115 | 400 | 14/23 |
| 2504116 | 400 | 19/26 |
| 2504117 | 400 | 24/29 |
| 2504118 | 400 | 29/32 |
| 2504119 | 500 | 24/29 |
| 2504120 | 500 | 29/32 |
| 2504121 | 750 | 24/29 |
| 2504122 | 750 | 29/32 |
| 2504123 | 1000 | 29/32 |

## REFRIGERANTE LIEBIG (RECTO) COM 2 IN'S

Liebig Condensers, With Fused-on Jacket

| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2504124 | 200 | 14/23 | 14/23 |
| 2504125 | 200 | 19/26 | 19/26 |
| 2504126 | 200 | 24/29 | 24/29 |
| 2504127 | 200 | 29/32 | 29/32 |
| 2504129 | 300 | 19/26 | 19/26 |
| 2504130 | 300 | 24/29 | 24/29 |
| 2504131 | 300 | 29/32 | 29/32 |
| 2504133 | 400 | 19/26 | 19/26 |
| 2504134 | 400 | 24/29 | 24/29 |
| 2504135 | 400 | 29/32 | 29/32 |
| 2504136 | 500 | 24/29 | 24/29 |
| 2504137 | 500 | 29/32 | 29/32 |
| 2504139 | 750 | 24/29 | 29/32 |
| 2504140 | 750 | 29/32 | 29/32 |
| 2504141 | 1000 | 29/32 | 29/32 |

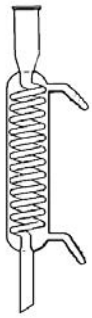


# REFRIGERANTES

## REFRIGERANTE DE SERPENTINA

Spiral Condensers

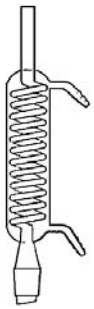
| REF. | COMP.mm |
|---|---|
| 2510128 | 200 |
| 2510129 | 300 |
| 2510130 | 400 |
| 2510131 | 500 |



## REFRIGERANTE DE SERPENTINA COM IN MACHO

Spiral Condensers

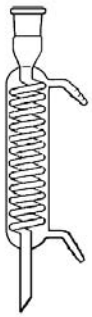
| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2510106 | 200 | 19/26 |
| 2510107 | 300 | 24/29 |
| 2510109 | 400 | 24/29 |
| 2510110 | 500 | 29/32 |



## REFRIGERANTE DE SERPENTINA COM IN FÊMEA

Spiral Condensers

| REF. | COMP.mm | IN FÊMEA |
|---|---|---|
| 2510100 | 200 | 19/26 |
| 2510101 | 300 | 24/29 |
| 2510103 | 400 | 24/29 |
| 2510104 | 500 | 29/32 |



# REFRIGERANTES

## REFRIGERANTE DE SERPENTINA COM 2 IN'S

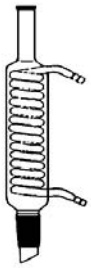
Spiral Condensers

| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2510112 | 200 | 14/23 | 14/23 |
| 2510113 | 200 | 19/26 | 19/26 |
| 2510114 | 200 | 24/29 | 24/29 |
| 2510115 | 200 | 29/32 | 29/32 |
| 2510116 | 300 | 14/23 | 14/23 |
| 2510117 | 300 | 19/26 | 19/26 |
| 2510118 | 300 | 24/29 | 24/29 |
| 2510119 | 300 | 29/32 | 29/32 |
| 2510120 | 400 | 14/23 | 14/23 |
| 2510121 | 400 | 19/26 | 19/26 |
| 2510122 | 400 | 24/29 | 24/29 |
| 2510123 | 400 | 29/32 | 29/32 |
| 2510124 | 500 | 14/23 | 14/23 |
| 2510125 | 500 | 19/26 | 19/26 |
| 2510126 | 500 | 24/29 | 24/29 |
| 2510127 | 500 | 29/32 | 29/32 |

## REFRIGERANTES SERPENTINA (GRAHAM)

Coil Condensers (Graham)

| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2507100 | 200 | 24/29 |
| 2507101 | 200 | 29/32 |
| 2507102 | 300 | 24/29 |
| 2507103 | 300 | 29/32 |
| 2507104 | 400 | 29/32 |
| 2507105 | 500 | 29/32 |

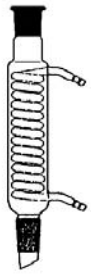


# REFRIGERANTES

## REFRIGERANTES SERPENTINA (GRAHAM)

Coil Condensers (Graham)

| REF. | COMP. mm | IN MACHO | IN FÊMEA |
|---|---|---|---|
| 2507106 | 200 | 19/26 | 19/26 |
| 2507107 | 200 | 24/29 | 24/29 |
| 2507108 | 300 | 29/32 | 29/32 |
| 2507109 | 300 | 19/26 | 19/26 |
| 2507110 | 400 | 24/29 | 24/29 |
| 2507111 | 500 | 29/32 | 29/32 |



## REFRIGERANTE TUBULAR (AR) IN MACHO

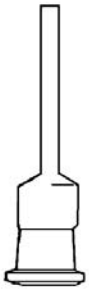
Air Condenser

| REF. | COMP.mm | IN MACHO |
|---|---|---|
| 2508128 | 500 | 14/23 |
| 2508129 | 500 | 19/26 |
| 2508130 | 500 | 24/29 |
| 2508103 | 500 | 29/32 |
| 2508104 | 1000 | 14/23 |
| 2508105 | 1000 | 19/26 |
| 2508106 | 1000 | 24/29 |
| 2508107 | 1000 | 29/32 |

## REFRIGERANTE TUBULAR (AR) IN FÊMEA

Air Condenser

| REF. | COMP.mm | IN FÊMEA |
|---|---|---|
| 2508108 | 500 | 14/23 |
| 2508109 | 500 | 19/26 |
| 2508110 | 500 | 24/29 |
| 2508111 | 500 | 29/32 |
| 2508112 | 1000 | 14/23 |
| 2508113 | 1000 | 19/26 |
| 2508114 | 1000 | 24/29 |
| 2508115 | 1000 | 29/32 |

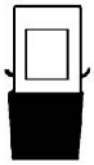


# ROLHAS

## ROLHAS DE VIDRO COM GRAMPOS

Glass Stoppers, With Clamps

| REF. | IN MACHO |
|---|---|
| 2602100 | 10/19 |
| 2602101 | 12/21 |
| 2602102 | 14/23 |
| 2602103 | 19/26 |
| 2602104 | 24/29 |
| 2602105 | 29/32 |
| 2602106 | 34/35 |



## ROLHAS DE VIDRO MACIÇA

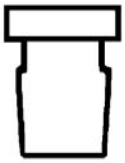
Glass Stoppers, Massive

| REF. | IN MACHO |
|---|---|
| 2602118 | 10/19 |
| 2602107 | 14/23 |
| 2602108 | 19/26 |
| 2602109 | 24/29 |
| 2602110 | 29/32 |
| 2602111 | 34/35 |

## ROLHAS DE VIDRO OCAS

Glass Stoppers, Empty

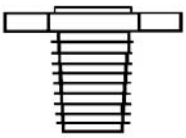
| REF. | IN MACHO |
|---|---|
| 2602112 | 10/19 |
| 2602113 | 12/21 |
| 2602114 | 14/23 |
| 2602115 | 19/26 |
| 2602116 | 24/29 |
| 2602117 | 29/32 |



## ROLHAS DE PÁSTICO COM IN

Plastic Stopper with IN

| REF. | IN MACHO |
|---|---|
| 2601100 | 10/19 |
| 2601101 | 12/21 |
| 2601102 | 14/23 |
| 2601103 | 19/26 |
| 2601104 | 24/29 |
| 2601105 | 29/32 |
| 2601106 | 34/39 |



# TORNEIRAS

## TORNEIRAS DE DUAS VIAS PARALELAS

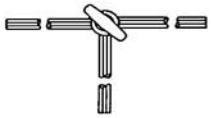
Two-Ways Stopcocks

| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5501105 | 1,5 | 7 | 100 |
| 5501106 | 1,5 | 8 | 100 |
| 5501107 | 2 | 9 | 100 |
| 5501108 | 4 | 10 | 100 |

## TORNEIRA EM T

T-Three-Way Stopcocks

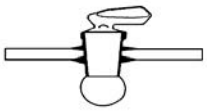
| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5506100 | 1,5 | 7 | 100 |
| 5506101 | 1,5 | 8 | 100 |
| 5506102 | 2,5 | 9 | 100 |
| 5506103 | 4 | 10 | 100 |



## TORNEIRAS PARA VÁCUO RECTAS

Vacuum Stopcocks

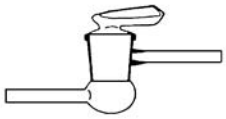
| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5504100 | 1,5 | 7 | 100 |
| 5504101 | 2,5 | 8 | 100 |
| 5504102 | 2,5 | 9 | 100 |
| 5504103 | 2,5 | 10 | 100 |



## TORNEIRA DE DUAS VIAS PARA VÁCUO

Two-Way Vacuum Stopcocks

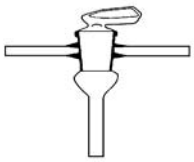
| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5501100 | 2 | 6 | 80 |
| 5501101 | 4 | 9 | 80 |
| 5501102 | 6 | 10 | 80 |
| 5501103 | 8 | 12 | 80 |
| 5501104 | 10 | 14 | 80 |



## TORNEIRA DE TRÊS VIAS PARA VÁCUO

Three-Way Vacuum Stopcocks

| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5502100 | 2 | 6 | 80 |
| 5502101 | 4 | 8 | 80 |
| 5502102 | 6 | 10 | 80 |
| 5502103 | 8 | 12 | 80 |
| 5502104 | 10 | 14 | 80 |

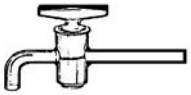


# TORNEIRAS

## TORNEIRAS PARA BARRIS

Taps For Aspirator Bottles

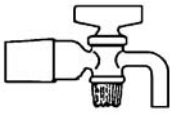
| REF. | Ø FURO mm | Ø EXT. HASTE mm |
|---|---|---|
| 5503100 | 6 | 12 |
| 5503101 | 60 | 14 |



## TORNEIRAS PARA BARRIS COM IN

Taps For Aspirator Bottles With IN

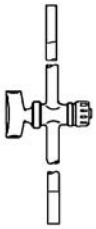
| REF. | Ø FURO mm | Ø EXT. HASTE mm | IN |
|---|---|---|---|
| 5503102 | 6 | 14 | 19/26 |
| 5503103 | 6 | 14 | 24/29 |
| 5503104 | 6 | 14 | 29/32 |



## TORNEIRAS RECTAS

One-Way Stopcocks

| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5505105 | 1,5 | 8 | 100 |
| 5505100 | 2,5 | 9 | 100 |
| 5505101 | 4 | 10 | 100 |
| 5505102 | 6 | 13 | 100 |
| 5505103 | 8 | 15 | 100 |
| 5505104 | 10 | 18 | 100 |



## TORNEIRAS RECTAS EM CAPILAR

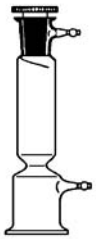
One-Way Stopcocks

| REF. | Ø FURO mm | Ø EXT. HASTE mm | COMP. HASTE mm |
|---|---|---|---|
| 5505112 | 1,5 | 8 | 100 |
| 5505113 | 2,5 | 8 | 100 |
| 5505114 | 2,5 | 9 | 100 |

# TORRE DE ABSORÇÃO

## TORRE DE ABSORÇÃO

Calcium Chloride Towers With Ground-IN Stopper

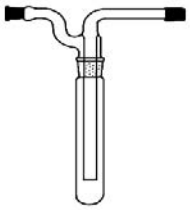


| REF. | ALT. mm | Ø mm |
|---|---|---|
| 5601100 | 240 | 40 |
| 5601101 | 315 | 46 |
| 5601102 | 420 | 54 |

# TRAPS

## TRAPS PARA LEOFILIZAÇÃO

Lyophilizing Traps

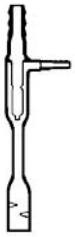


| REF. | IN do TUBO | IN da CABEÇA | IN MACHO da CABEÇA |
|---|---|---|---|
| 5701100 | 34/35 | 19/26 | 34/35 |

# TROMPAS

## TROMPAS DE ÁGUA

Water Pump



| REF. | ALT. TOTAL mm |
|---|---|
| 5801100 | 180 |

# TUBOS

## TUBOS DE AR CURVO

Air/Steam Inlet Tube, Bent With Cone

| REF. | IN MACHO | COMP.mm |
|---|---|---|
| 2705100 | 10/19 | 100 |
| 2705101 | 14/23 | 150 |
| 2705102 | 19/26 | 150 |
| 2705103 | 24/29 | 150 |

## TUBOS DE AR RECTO

Air/Steam Inlet Tube, Bent With Cone

| REF. | IN MACHO | COMP.mm |
|---|---|---|
| 2705104 | 10/19 | 100 |
| 2705105 | 14/23 | 150 |
| 2705106 | 19/26 | 150 |
| 2705107 | 24/29 | 150 |

## TUBOS PARA CENTRÍFUGA, FUNDO REDONDO

Centrifuge Tubes, Round Botton

| REF. | Ø EXT.mm | COMP.mm | ESP.mm | CAP.ml |
|---|---|---|---|---|
| 2723100 | 12 | 100 | 1,5 | 6 |
| 2723101 | 16 | 100 | 1,6 | 12 |
| 2723102 | 24 | 100 | 1,8 | 25 |
| 2723105 | 34 | 100 | 2 | 50 |
| 2723106 | 40 | 115 | 2,3 | 80 |
| 2723107 | 44 | 100 | 2,3 | 80 |
| 2723110 | 56 | 147 | 2,3 | 250 |

## TUBOS PARA CENTRÍFUGA, FUNDO CÓNICO

Centrifuge Tubes With Conical Botton

| REF. | Ø EXT.mm | COMP.mm | ESP.mm | CAP.ml |
|---|---|---|---|---|
| 2724100 | 16 | 100 | 1,6 | 12 |
| 2724101 | 24 | 100 | 1,8 | 25 |
| 2724103 | 34 | 100 | 2 | 50 |
| 2724104 | 40 | 115 | 2,3 | 80 |
| 2724105 | 44 | 100 | 2,3 | 80 |

# TUBOS

## TUBOS CENTRÍFUGA FUNDO CÓNICO

Centrifuge Tubes With Conical Botton

| REF. | Ø EXT.mm | COMP.mm |
|---|---|---|
| 2740100 | 12 | 110 |
| 2740101 | 13 | 110 |
| 2740102 | 14 | 110 |
| 2740103 | 15 | 110 |
| 2740104 | 16 | 110 |

## TUBOS CENTRIFUGA FUNDO CÓNICO GRADUADOS

Graduated Tubes

| REF. | Ø EXT.mm | COMP.mm | CAP.ml |
|---|---|---|---|
| 2741101 | 16 | 115 | 10 |
| 2741100 | 16 | 115 | 15 |

## TUBOS CENTRÍFUGA FUNDO CÓNICO C/ ROLHA DE PÁSTICO

Centrifuge Tubes With Conical Botton With stopper

| REF. | Ø EXT.mm | COMP.mm | CAP.ml |
|---|---|---|---|
| 2702100 | 16 | 123 | 12,5 |
| 2702101 | 17 | 138 | 15 |

## TUBOS CENTRÍFUGA FUNDO CÓNICO GRADUADOS C/ ROLHA

Centrifuge Tubes With Conical Botton Graduated With stopper

| REF. | Ø EXT.mm | COMP.mm | CAP.ml |
|---|---|---|---|
| 2702102 | 16 | 123 | 10 |
| 2702103 | 17 | 138 | 15 |

# TUBOS

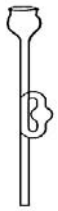
## TUBOS DE CARGA

Fermenting Tubes With And Bell Shaped Funnel

### RECTO

| REF. |
|---|
| 2712102 |

### COM 1 BOLA



| REF. |
|---|
| 2712101 |

### COM 2 BOLAS

| REF. |
|---|
| 2712101 |

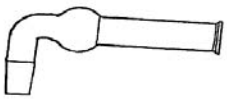
### COM 2 BOLAS E IN

| REF. | IN MACHO |
|---|---|
| 2706100 | 19/26 |
| 2706101 | 24/29 |
| 2706102 | 29/32 |

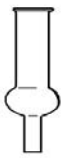
## TUBOS DESSECADORES RECTOS

Calcium Chloride Tubes

| REF. | Ø EXT.mm | ALT.mm | IN MACHO |
|---|---|---|---|
| 2710100 | 13 | 100 | 14/23 |
| 2710101 | 13 | 130 | 19/26 |
| 2710102 | 18 | 180 | 24/29 |
| 2710103 | 18 | 250 | 29/32 |



| REF. | Ø EXT.mm | COMP.mm |
|---|---|---|
| 2710108 | 13 | 100 |
| 2710109 | 13 | 130 |
| 2710110 | 18 | 180 |
| 2710111 | 18 | 250 |

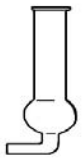


# TUBOS

## TUBOS DESSECADORES CURVO

Calcium Chloride Tubes

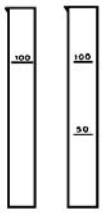
| REF. | Ø EXT.mm | COMP.mm |
|---|---|---|
| 2710104 | 13 | 100 |
| 2710105 | 13 | 130 |
| 2710106 | 18 | 180 |
| 2710107 | 18 | 250 |



## TUBOS PARA COLORIMETRIA NESSLER

Nessler Colorimeters

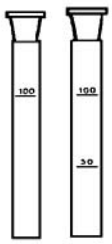
| REF. | TRAÇOS | CAP.mm |
|---|---|---|
| 2711100 | 1 | 50 |
| 2711101 | 1 | 100 |
| 2711102 | 2 | 25-50 |
| 2711103 | 2 | 50-100 |




## TUBOS PARA COLORIMETRIA NESSLER C/ IN

Nessler Colorimeters With Stoppers

| REF. | TRAÇOS | CAP.ml | IN |
|---|---|---|---|
| 2711104 | 1 | 50 | 19/26 |
| 2711105 | 1 | 100 | 24/29 |
| 2711106 | 2 | 25-50 | 19/26 |
| 2711107 | 2 | 50-100 | 24/29 |




## TUBOS DE THIELE

Apparatus Thiele

| REF. | ALT.mm | Ø mm |
|---|---|---|
| 2709100 | 150 | 22 |
| 2709101 | 180 | 30 |

## TUBOS DE DIGESTÃO COM BORDA

Digestion Tubes

| REF. | CAP.ml | Ø mm | COMP.mm |
|---|---|---|---|
| 2707101 | 75 | 26 | 255 |
| 2707102 | 100 | 26 | 300 |
| 2707104 | 250 | 42 | 300 |

# TUBOS

## TUBOS DE DIGESTÃO COM IN

Digestion Tubes With Socket

| REF. | CAP.ml | Ø mm | COMP.mm | IN FÊMEA |
|---|---|---|---|---|
| 2707109 | 15 | 16 | 145 | 14/23 |
| 2707110 | 75 | 26 | 255 | 24/29 |
| 2707111 | 100 | 26 | 300 | 24/29 |
| 2707112 | 250 | 42 | 300 | 40/38 |

## TUBOS DE DIGESTÃO COM INE

Digestion Tubes With Socket Spherical

| REF. | CAP.ml | Ø mm | COMP.mm | IN FÊMEA |
|---|---|---|---|---|
| 2707114 | 75 | 26 | 250 | 34 |
| 2707115 | 100 | 26 | 300 | 34 |
| 2707116 | 250 | 42 | 280 | 34 |

## TUBO DE DIGESTÃO COM ESTRANGULAMENTO

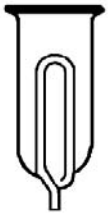
Digestion Tubes With Rim

| REF. | CAP.ml | Ø mm | COMP.mm |
|---|---|---|---|
| 2707106 | 75 | 26 | 255 |
| 2707107 | 100 | 26 | 300 |
| 2707108 | 250 | 42 | 300 |

## TUBO EXTRACTOR COM SIFÃO TIPO SOXHLET

Soxhlet Tubes

| REF. | CAP.ml |
|---|---|
| 2713100 | 15 |
| 2713101 | 20 |
| 2713102 | 40 |
| 2713103 | 50 |

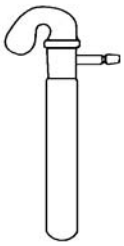


# TUBOS

## TUBOS HEMATÓCRITOS (WINTROBE)

Hematocrit Tubes (WINTROBE)

| REF. | ALT. TOTAL mm | GRAD. mm |
|---|---|---|
| 2714100 | 110 | 0–100 |



## TUBO OXIDAÇÃO (THUNGBERG)

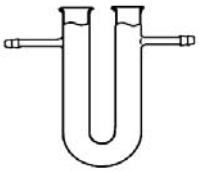
Dryng Tubes (THUNGBERG)

| REF. | Ø EXT.mm | ALT. TOTAL mm | IN |
|---|---|---|---|
| 2715100 | 20 | 150 | 19/26 |
| 2715101 | 22 | 150 | 19/26 |

## TUBOS EM U PARA SUBSTANCIAS DESSECADORAS

Tubes Chlorido od Calciun

| REF. | Ø EXT.mm | ALT. TOTAL mm |
|---|---|---|
| 2716100 | 10 | 100 |
| 2716101 | 12 | 120 |
| 2716102 | 15 | 150 |
| 2716103 | 18 | 180 |
| 2716104 | 20 | 200 |



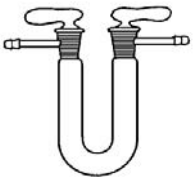
## TUBOS EM U PARA SUBSTANCIAS DESSECADORAS COM TUBULADURAS LATERAIS

| REF. | Ø EXT.mm | ALT. TOTAL mm |
|---|---|---|
| 2716109 | 10 | 100 |
| 2716110 | 12 | 120 |
| 2716111 | 15 | 150 |
| 2716112 | 18 | 180 |
| 2716113 | 20 | 200 |

# TUBOS

## TUBOS EM U PARA SUBSTANCIAS DESSECADORAS COM TUBULADURAS LATERAIS COM ROLHA E IN

| REF. | Ø EXT.mm | ALT. TOTAL mm | IN |
|---|---|---|---|
| 2716105 | 13 | 100 | 12/21 |
| 2716106 | 13 | 130 | 12/21 |
| 2716107 | 18 | 180 | 14/23 |
| 2716108 | 20 | 200 | 14/23 |



## TUBOS FUNDO REDONDO BORDA MOLDADA

Test Tubes With Beaded Rim

| REF. | Ø mm | COMP. mm |
|---|---|---|
| 2733100 | 36 | 145 |
| 2733101 | 36 | 350 |
| 2733102 | 38 | 700 |
| 2733103 | 40 | 300 |
| 2733104 | 42 | 300 |
| 2733105 | 48 | 260 |
| 2733106 | 50 | 400 |
| 2733107 | 50 | 600 |
| 2733108 | 50 | 700 |
| 2733113 | 54 | 500 |
| 2733112 | 54 | 470 |
| 2733115 | 54 | 600 |
| 2733116 | 54 | 700 |
| 2733117 | 54 | 750 |
| 2733118 | 54 | 900 |
| 2733119 | 54 | 1.000 |
| 2733120 | 60 | 450 |
| 2733121 | 60 | 600 |
| 2733123 | 60 | 1.200 |

# TUBOS DE ENSAIO

## TUBOS DE ENSAIO FUNDO REDONDO

Test Tubes Round Botton

| REF. | Ø EXT.mm | ALT. TOTAL mm |
|---|---|---|
| 2717100 | 8 | 70 |
| 2717101 | 10 | 75 |
| 2717102 | 10 | 100 |
| 2717103 | 10 | 120 |
| 2717104 | 12 | 75 |
| 2717105 | 12 | 100 |
| 2717106 | 12 | 120 |
| 2717107 | 13 | 100 |
| 2717108 | 13 | 150 |
| 2717111 | 14 | 130 |
| 2717113 | 16 | 100 |
| 2717114 | 16 | 130 |
| 2717115 | 16 | 160 |
| 2717117 | 18 | 150 |
| 2717118 | 18 | 180 |
| 2717119 | 20 | 150 |
| 2717121 | 20 | 200 |
| 2717122 | 20 | 250 |
| 2717123 | 22 | 200 |
| 2717124 | 22 | 250 |
| 2717128 | 25 | 150 |
| 2717129 | 25 | 200 |
| 2717130 | 25 | 250 |
| 2717131 | 26 | 100 |
| 2717133 | 26 | 160 |
| 2717134 | 26 | 200 |
| 2717135 | 26 | 250 |
| 2717136 | 28 | 100 |
| 2717137 | 28 | 150 |
| 2717138 | 30 | 135 |
| 2717139 | 30 | 150 |
| 2717140 | 30 | 250 |
| 2717141 | 32 | 130 |
| 2717142 | 32 | 200 |
| 2717143 | 34 | 200 |
| 2717144 | 36 | 200 |
| 2717145 | 36 | 250 |
| 2717146 | 38 | 250 |
| 2717147 | 38 | 300 |
| 2717149 | 40 | 250 |
| 2717150 | 40 | 300 |
| 2717151 | 42 | 300 |
| 2717152 | 50 | 125 |
| 2717154 | 50 | 250 |
| 2717155 | 50 | 300 |
| 2717156 | 50 | 400 |

# TUBOS DE ENSAIO

## TUBOS DE ENSAIO (DURHAM)

Durham Tubes

| REF. | Ø EXT.mm | ALT. TOTAL mm |
|---|---|---|
| 2708100 | 5 | 20 |
| 2708101 | 5 | 35 |
| 2708102 | 5 | 45 |
| 2708103 | 5 | 50 |
| 2708104 | 6 | 35 |
| 2708105 | 6 | 50 |
| 2708106 | 7 | 35 |
| 2708107 | 7 | 50 |
| 2708108 | 7 | 70 |
| 2708109 | 7 | 100 |
| 2708110 | 8 | 35 |
| 2708111 | 8 | 50 |
| 2708112 | 8 | 80 |

## TUBOS DE ENSAIO (DURHAM) COM BISEL

| REF. | Ø EXT.mm | ALT. TOTAL mm |
|---|---|---|
| 2708114 | 5 | 20 |
| 2708115 | 5 | 35 |
| 2708116 | 5 | 45 |
| 2708117 | 5 | 50 |
| 2708118 | 6 | 35 |
| 2708119 | 6 | 50 |
| 2708120 | 7 | 35 |
| 2708121 | 7 | 50 |
| 2708122 | 7 | 70 |
| 2708124 | 8 | 35 |
| 2708125 | 8 | 50 |
| 2708126 | 8 | 80 |

# TUBOS DE ENSAIO

## TUBOS DE ENSAIO COM IN

Test Tubes

| REF. | Ø EXT.mm | ALT. TOTAL mm | IN |
|---|---|---|---|
| 2717204 | 14 | 65 | 10/19 |
| 2717205 | 14 | 100 | 10/19 |
| 2717160 | 14 | 160 | 10/19 |
| 2717197 | 16 | 100 | 12/21 |
| 2717162 | 16 | 125 | 12/21 |
| 2717163 | 16 | 150 | 12/21 |
| 2717164 | 16 | 160 | 12/21 |
| 2717165 | 17 | 100 | 14/23 |
| 2717166 | 17 | 125 | 14/23 |
| 2717167 | 17 | 150 | 14/23 |
| 2717168 | 18 | 100 | 14/23 |
| 2717169 | 18 | 125 | 14/23 |
| 2717170 | 18 | 150 | 14/23 |
| 2717171 | 18 | 180 | 14/23 |
| 2717174 | 22 | 100 | 19/26 |
| 2717175 | 22 | 150 | 19/26 |
| 2717176 | 28 | 125 | 24/29 |
| 2717177 | 28 | 150 | 24/29 |
| 2717179 | 28 | 200 | 24/29 |
| 2717182 | 30 | 200 | 24/29 |

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