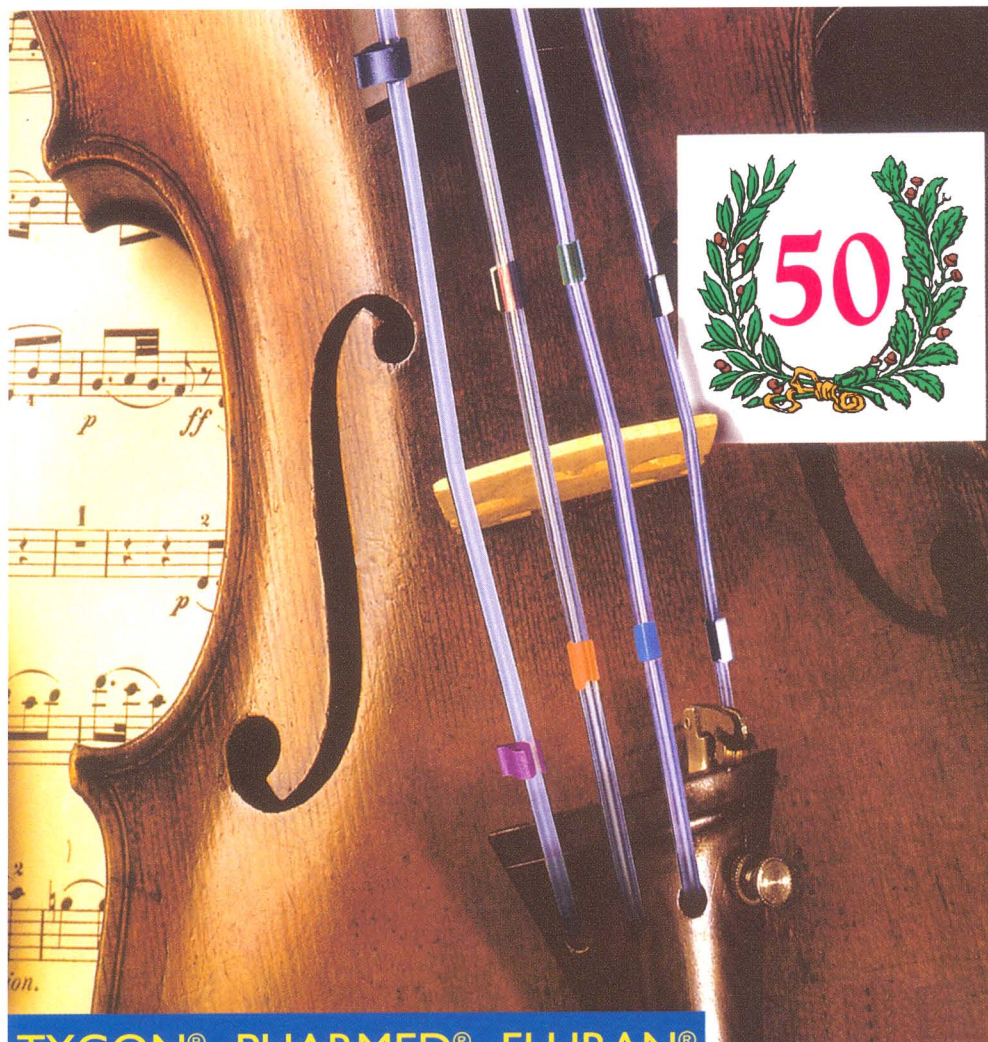


# Each Tube a Masterpiece!

... tailored for Auto-Analysis



**TYGON® PHARMED® FLURAN®**

... the brand names for Auto-Analysis

*Saint-Gobain continues the long tradition  
of being the leading supplier for Auto-Analysis  
Tubing and many additional partnerships  
have been entered worldwide with a great  
number of peristaltic pump and analytical  
equipment manufacturing companies*

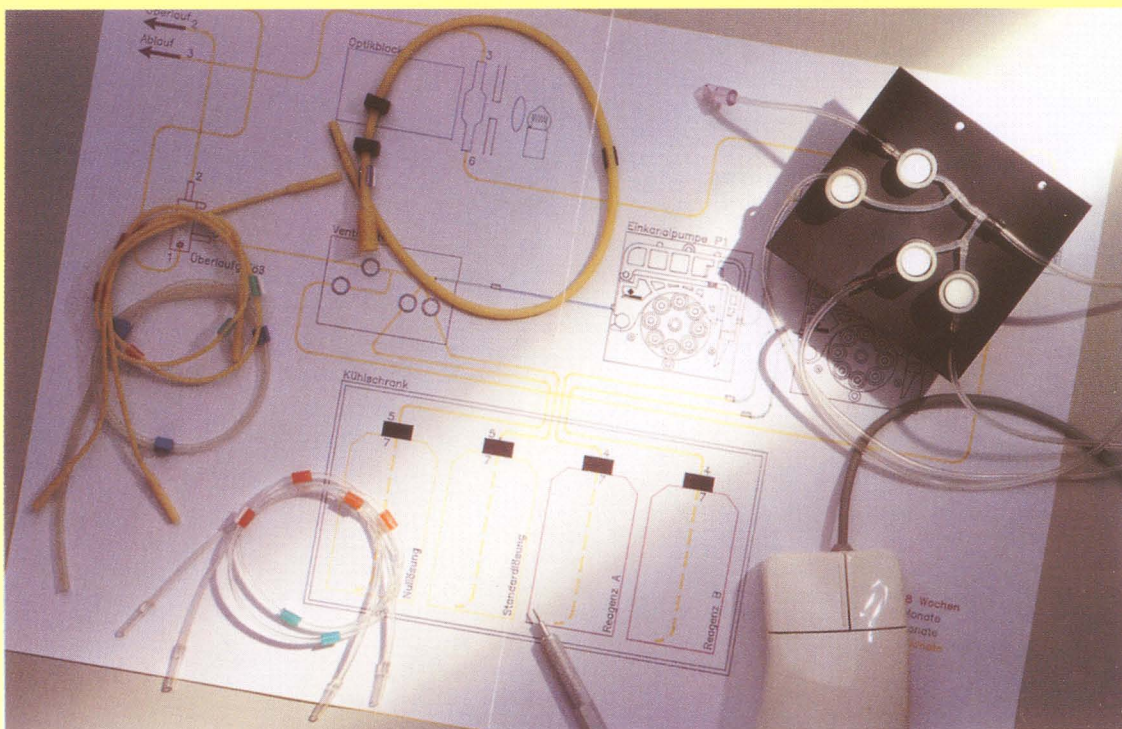
*When Technicon's Managers  
decided more than 50 years ago to  
develop the first Auto-Analyzer  
they chose US-Stoneware as their  
partner for the most critical item*

## *The Tubing*

- half a century of success
- reproducible results
- 8 "fine-tuned" formulations
- long life precision flow rate
- wide range of standard sizes
- chemical resistance coverage
- customized tubing sets
- optimized liquid transfer
- FDA and USP VI



# REPRODUCIBLE RESULTS THROUGH SAFE FLUID TRANSFER AT OPTIMAL FLOW RATES



## WITH CUSTOMIZED TUBING SETS

**STOP!!!** why POTTER ABOUT AT ODD JOBS,...

LET THE EXPERTS TAKE CARE OF YOUR FLUID TRANSFER LINES.

TAKE ADVANTAGE OF OUR LONG EXPERIENCE IN BUILDING  
CUSTOMIZED TUBING SETS AVOIDING LEAKAGE, CONTAMINATION  
AND LIQUID FLOW PROBLEMS DUE TO POOR ASSEMBLIES.

GET US INVOLVED RIGHT FROM THE BEGINNING TO SELECT THE  
OPTIMAL TUBING FORMULATION AND THE BEST DESIGN FOR  
YOU AND PARTICIPATE IN OUR CONTINUOUS IMPROVEMENT OF  
MATERIALS AND KIT-BUILDING TECHNIQUES.

WE SUPPLY YOU WITH BOTH THE INITIAL-AS WELL AS SERVICE-  
KITS AS PER YOUR SPECIFICATIONS IN PERSONALIZED  
PACKAGING INCLUDING INSTRUCTIONS FOR USE.



+/-0,05 sur ID  
Ep.

NEW

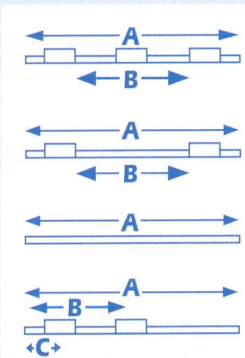
| HR = Highly Recommended<br>R = Recommended<br>NR = Not Recommended | TYGON® |    |     |     |    |      | Phar | Fluran® |
|--------------------------------------------------------------------|--------|----|-----|-----|----|------|------|---------|
|                                                                    | ST     | HC | LFL | SI  | MH | MHLL | Med® | HCA     |
| High flex life                                                     | NR     | NR | HR  | R   | NR | HR   | HR   | NR      |
| Low gas permeability                                               | HR     | HR | HR  | NR  | R  | R    | R    | HR      |
| Low sorption                                                       | R      | R  | R   | R   | HR | HR   | HR   | R       |
| High temperature                                                   | NR     | NR | NR  | HR  | NR | NR   | R    | HR      |
| Pressure                                                           | R      | R  | R   | NR  | R  | NR   | NR   | NR      |
| Clarity                                                            | HR     | R  | HR  | R   | R  | NR   | NR   | NR      |
| Material fatigue                                                   | R      | R  | HR  | NR  | NR | R    | R    | R       |
| Acids, weak                                                        | HR     | NR | HR  | NR  | HR | HR   | R    | HR      |
| Acids, medium                                                      | HR     | NR | HR  | NR  | HR | HR   | R    | HR      |
| Acids, concentrated                                                | R      | NR | R   | NR  | R  | R    | NR   | HR      |
| Bases, weak                                                        | HR     | NR | HR  | NR  | R  | R    | R    | R       |
| Bases, medium                                                      | HR     | NR | HR  | NR  | R  | R    | R    | R       |
| Bases, concentrated                                                | R      | NR | R   | NR  | R  | R    | NR   | NR      |
| Hydrocarbons                                                       | NR     | R  | NR  | NR  | NR | NR   | NR   | HR      |
| Salts                                                              | HR     | HR | HR  | HR  | HR | HR   | HR   | HR      |
| Alcohols                                                           | NR     | R  | NR  | R   | HR | HR   | R    | R       |
| Ketones                                                            | NR     | NR | NR  | NR  | HR | HR   | NR   | NR      |
| Certified, FDA                                                     | yes    | no | yes | yes | no | yes  | yes  | no      |
| Certified, USP VI                                                  | no     | no | yes | yes | no | yes  | yes  | no      |

ask for our Tubing Finder (TuFi) Software\* to assist you in your tubing selection



# At a glance ...

Our standard tubing programme for Auto-Analysis



|                                                             | TYGON®  |         |         |          |         |         | Phar Med® | Fluran® HCA |
|-------------------------------------------------------------|---------|---------|---------|----------|---------|---------|-----------|-------------|
|                                                             | ST      | HC      | LF      | SI       | MH      | MHLL    |           |             |
| Length A ("/mm)                                             | 15/381  | 15/381  | 16/406  | 15,4/390 | 15/381  | N/A     | 15/381    | 15,4/390    |
| Length B ("/mm)                                             | 6/152   | 6,7/170 | 6/152   | 5,5/140  | 6/152   |         | 6/152     | 6,1/155     |
| Length A ("/mm)                                             | 15/381  | 15/381  | 16/406  | 15/381   | 15/381  | 15/381  | 15/381    | 7/178OR     |
| Length B ("/mm)                                             | 6/152   | 6,7/170 | 6/152   | 5,5/140  | 6/152   | 6/152   | 6/152     | 6,1/155     |
| Length A (ft/mtr)                                           | 33/10   | 33/10   | N/A     | 33/10    | 33/10   | N/A     | 10/3      | 33/10       |
| NEW: OUR 2 COLLAR TUBING PROGRAMME FOR MICRO-CASSETTE PUMPS |         |         |         |          |         |         |           |             |
| Length A ("/mm)                                             | 15/381  | 15/381  | 16/406  | 12,4/316 | 15/381  | 15/381  | 15/381    | 12/309      |
| Length B ("/mm)                                             | 2,8/72  | 3,2/81  | 2,8/72  | 2,6/66   | 2,8/72  | 2,8/72  | 2,8/72    | 2,9/73,5    |
| Length C ("/mm)                                             | 4,5/114 | 4,2/106 | 4,5/114 | 4,9/125  | 4,5/114 | 4,5/114 | 4,5/114   | 4,6/118     |

| Inner mm | diameter inch | Colour Code   | TYGON® |    |     |    |    |      | Phar Med® | Fluran® HCA |
|----------|---------------|---------------|--------|----|-----|----|----|------|-----------|-------------|
|          |               |               | ST     | HC | LFL | SI | MH | MHLL |           |             |
| 0,13     | 0,005         | orange/black  | •      | •  |     |    |    |      |           |             |
| 0,19     | 0,0075        | orange/red    | •      | •  |     |    |    |      |           |             |
| 0,25     | 0,010         | orange/blue   | •      | •  | •   |    |    |      | •         |             |
| 0,38     | 0,015         | orange/green  | •      | •  | •   |    | •  | •    | •         |             |
| 0,44     | 0,017         | green/yellow  | •      |    |     |    |    |      |           |             |
| 0,51     | 0,020         | orange/yellow | •      | •  | •   | •  |    |      | •         | •           |
| 0,57     | 0,022         | white/yellow  | •      |    |     |    |    |      |           |             |
| 0,64     | 0,025         | orange/white  | •      | •  | •   | •  | •  |      | •         | •           |
| 0,76     | 0,030         | black/black   | •      | •  | •   | •  |    | •    | •         | •           |
| 0,89     | 0,035         | orange/orange | •      | •  | •   | •  |    |      | •         | •           |
| 0,95     | 0,037         | black/white   | •      |    |     |    |    |      |           |             |
| 1,02     | 0,040         | white/white   | •      | •  | •   | •  | •  |      | •         | •           |
| 1,09     | 0,043         | white/red     | •      |    |     |    |    |      |           |             |
| 1,14     | 0,045         | red/red       | •      | •  | •   | •  |    | •    | •         | •           |
| 1,22     | 0,048         | red/grey      | •      |    |     |    |    |      |           |             |
| 1,30     | 0,51          | grey/grey     | •      | •  | •   | •  |    |      | •         | •           |
| 1,42     | 0,056         | yellow/yellow | •      | •  | •   | •  |    |      | •         | •           |
| 1,52     | 0,060         | yellow/blue   | •      | •  | •   | •  | •  | •    | •         | •           |
| 1,65     | 0,065         | blue/blue     | •      | •  | •   | •  |    |      | •         | •           |
| 1,75     | 0,069         | blue/green    | •      |    |     |    |    |      |           |             |
| 1,85     | 0,073         | green/green   | •      | •  | •   | •  |    |      | •         | •           |
| 2,06     | 0,081         | purple/purple | •      | •  | •   | •  | •  | •    | •         | •           |
| 2,29     | 0,090         | purple/black  | •      | •  | •   | •  |    |      | •         | •           |
| 2,54     | 0,100         | purple/orange | •      | •  | •   | •  |    |      | •         | •           |
| 2,79     | 0,110         | purple/white  | •      | •  | •   | •  | •  | •    | •         | •           |
| 3,17     | 0,125         | black/white   | •      |    |     |    |    |      |           |             |

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product or of any final product into which the product may be incorporated by the purchaser and/or user.