

NANOFILTRATION



The Filter That Does It All

selecto 



FOR YEARS, RESTAURANT OWNERS HAVE BEEN SEARCHING FOR A SOLUTION TO TODAY'S CHALLENGES

OF SOURCE WATER CONTAMINANTS. ONE THAT WILL FUNCTION FOR ALL BEVERAGES AND ICE MACHINES, EVEN STEAMERS AND WAREWASHING EQUIPMENT.

FOR NEARLY A QUARTER-CENTURY, SELECTO HAS CONSISTENTLY DEVELOPED INNOVATIVE SOLUTIONS TO SOURCE WATER CHALLENGES—SOLUTIONS WHICH HAVE BECOME INTERNATIONALLY RECOGNIZED FOR MARKED IMPROVEMENTS IN MILLIONS OF FOUNTAIN DRINKS.

LONG A WORKHORSE OF THE SELECTO LINE FOR FOUNTAIN APPLICATIONS, FILTERS IN THE LEGACY SERIES HAVE A PROVEN TRACK RECORD FOR RELIABILITY AND COST-EFFECTIVE EFFICIENCY. AND NOW, SELECTO HAS TAKEN ANOTHER BREATHTAKING STEP IN FILTRATION INNOVATION WITH THE **SMF SERIES**. THE SMF SIGNALS A DRAMATIC LEAP IN OPERATIONAL EASE, FROM THE UNIQUE, MODULAR APPROACH AND THE ABILITY TO SCALE UP FILTER CAPACITY AS THE RESTAURANT GROWS.

THE DEMANDS OF IMPROVED FILTRATION CAPABILITY, ADAPTABILITY AND REDUCTION OF INSTALLATION AND MAINTENANCE COST WERE THREE REASONS WHICH PROMPTED SELECTO TO DESIGN THE SMF SERIES.

## WHY NANO?

THE SELECTO SMF NF620-2 NANOFILTRATION SYSTEM IS SPECIFICALLY DESIGNED FOR MECHANICAL AND CHEMICAL REDUCTION IN AREAS WHERE WATER CONTAINS HIGH TDS AND HIGH HARDNESS ASSOCIATED WITH OTHER CONTAMINANTS. HIGHER TDS AND HARDNESS CAN CAUSE MANY PROBLEMS FOR FOOD EQUIPMENT, BUT ALSO BAD BEVERAGE TASTE AND ODOR. THE SMF NF620-2 IS A JUMBO-SIZED, MULTI-APPLICATION PROBLEM SOLVER THAT WILL PRODUCE SAFE, CLEAN INGREDIENT WATER ON DEMAND. APPLICATIONS INCLUDE FOUNTAIN, JUICE, ICE, STEAMERS, COFFEE, TEA, ESPRESSO, AND WAREWASHING MACHINES.

THE SELECTO SMF NF620-2 NANOFILTRATION SYSTEM IS CAPABLE OF REMOVING CHLORINE AND CHLORAMINE, CYST, AND PARTICULATE (CLASS I: 0.5-1.0 MICRON). IT USES SELECTO'S PROPRIETARY HOLLOW CARBON AND NANOMEMBRANE TECHNOLOGY, TO REMOVE HIGH TDS AND HARDNESS. THE SMF IC620 FILTER FEATURES HIGH FLOW, HIGH CAPACITY FOR CONTAMINANTS REDUCTION, AND LOWER PRESSURE DROP DURING A WHOLE FILTER'S LIFE, WHICH PROVIDES EFFICIENT PRESSURE FOR POST-MEMBRANE FILTER OPERATION.

UNLIKE CONVENTIONAL REVERSE OSMOSIS SYSTEMS, THE SMF NF620-2 OPERATES AT A LOWER PRESSURE, WITH HIGHER FLOW (2GPM). THE NANOFILTRATION MEMBRANE HAS A LOWER FOULING RATE AND DOES NOT GENERATE CORROSIVE WATER. IT'S ALSO ENVIRONMENTALLY FRIENDLY, WITH LESS WASTE-WATER

GENERATION AND ENERGY CONSUMPTION COMPARED TO RO SYSTEMS.

DEPENDING UPON THE INCOMING WATER PRESSURE, A SMF BOOSTER PUMP CAN BE ADDED TO PROVIDE A CONSISTENT PRESSURE FOR NANOFILTRATION SYSTEMS. DIFFERENT SIZES OF STORAGE TANKS ARE ALSO AVAILABLE FOR OPERATIONS THAT REQUIRE HIGHER FLOW OR HIGHER WATER USAGE.

THE SELECTO SMF NF620-2 NANOFILTRATION SYSTEM UTILIZES 21ST CENTURY MEMBRANE TECHNOLOGY, WITHOUT ANY WATER PRE-FILTRATION SOFTENING. COST BENEFITS ABOUND, SUCH AS FREQUENCY REDUCTIONS IN PRE-FILTER REPLACEMENT TO ONE YEAR, AND EASE OF INSTALLATION AND MAINTENANCE SERVICE.

## HOLLOW-CARBON

IN THE SMF SERIES, FILTRATION TECHNOLOGY HAS REACHED UNPRECEDENTED HEIGHTS THROUGH A HIGHLY EFFICIENT AND UNIQUE HOLLOW CARBON TECHNOLOGY. A COMPARISON TO OUTDATED AND FRAGILE EXTRUDED

CARBON BLOCK FILTERS SHOWS THE SMF SUPERIORITY ACROSS THE BOARD—FROM CAPACITY TO CLOGGING, PRESSURE DROP TO PRE-FILTER NEED. **WITH THE HOLLOW-CARBON TECHNOLOGY EMPLOYED BY THE SELECTO SMF, FILTRATION CAPACITY IS FROM TWO TO FIVE TIMES THAT OF COMPETITOR CAPACITY.**



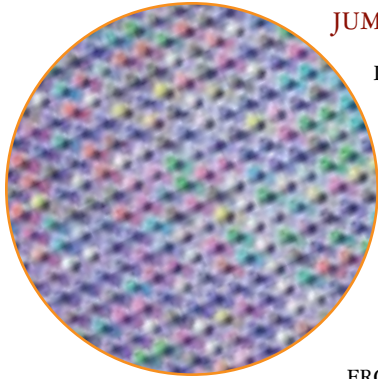
## MODULAR

MODULAR DESIGN IS A TRULY REVOLUTIONARY APPROACH IN PURIFICATION TECHNOLOGY. THE SANITARY QUICK CHANGE CARTRIDGE DESIGN MAKES IT NOT ONLY EASY AND TOOL-FREE FOR FILTER REPLACEMENT, BUT ALSO KEEPS HANDS CLEAN AND AWAY FROM USED CARTRIDGES. BECAUSE NO TOOLS ARE NEEDED, EASE OF FILTER REPLACEMENT OR CAPACITY UPGRADE IS A BOON TO ANY RESTAURANT OPERATION. MODULAR DESIGN MEANS "YOU CAN DO IT ALL" AND THUS REDUCE MAINTENANCE EXPENSES.



## EFFICIENT

SMF FILTERS PROVIDE SUPERIOR QUALITY AND GREAT TASTING INGREDIENT WATER FOR BETTER TASTING BEVERAGES, ICE AND STEAMER FOODS, BY REDUCING UNDESIRABLE ELEMENTS FROM WATER. **COMBINED WITH OUR EXCLUSIVE PERFORMANCE GUARANTEE, THESE SYSTEMS ARE THE MOST EFFICIENT AND COST-EFFECTIVE SOLUTION TO ALL YOUR FILTRATION NEEDS.** THROUGH A DETAILED EVALUATION AND COMPARISON WITH COMPETITOR APPROACHES, YOU'LL EASILY DISCOVER THE CLEAR LEADERSHIP OF SELECTO FILTERS.



YES, ONE FILTER CAN DO IT ALL! THE SELECTO NANOFILTRATION SYSTEM IS A **JUMBO-SIZED, MULTI-USE PROBLEM SOLVER**, PROVIDING SAFE, CLEAN INGREDIENT WATER ON DEMAND. APPLICATIONS INCLUDE FOUNTAIN, JUICE, ICE, STEAMERS, COFFEE, TEA AND ESPRESSO MACHINES, AND WAREWASHING.<sup>1</sup> THIS REVOLUTIONARY, POINT-OF-ENTRY SYSTEM EMPLOYS 21ST CENTURY MEMBRANE TECHNOLOGY, SO WATER DOES NOT REQUIRE ANY PRE-FILTRATION SOFTENING. COST BENEFITS ABOUND, SUCH AS REDUCTIONS IN PRE-FILTER REPLACEMENT TO JUST ABOUT ONCE A YEAR, AND EASE OF INSTALLATION AND SERVICING FROM THE INNOVATIVE MODULAR CONSTRUCTION. USE IT EITHER IN PARALLEL OR IN SERIES, FOR DIRT AND SCALE REDUCTION, CHEMICAL AND CHLORINE/CHLORAMINE REDUCTION.

### SMF NF620-2

IC620 CAPACITY: 100,000 GAL; MEMBRANE LIFE: 5 YEARS  
 FLOW RATE: 2.0 GPM  
 SYSTEM PART: # 83-6202

HVPO  
 34/10/36"  
 SW: 43 LBS.

**REDUCES:**  
**HARDNESS MINERALS:**  
 70-85% REMOVAL;  
 SULFATE 85% REMOVAL



**REPLACEMENT CARTRIDGE**  
 SMF IC620: #108-020

**REPLACEMENT MEMBRANE**  
 CARTRIDGES 1 & 2: #108-220

### SMF BOOSTER PUMP

SYSTEM PART: #300-436  
 MAX. FLOW: 27.0 GPM  
 MAX. PRESSURE: 120 PSI  
 MIN. SET.: 17 PSI  
 MAX. SET.: 60 PSI



8/17/24"  
 INLET/OUTLET:  
 1.25" F/1" F

**MAINTAIN**  
**CONSTANT WATER**  
**PRESSURE FOR**  
**NANO-FILTRATION**  
**IN APPLICATIONS**  
**WHERE 50 PSI MINIMUM**  
**SUSTAINABLE WATER**  
**PRESSURE NOT AVAILABLE**  
**ON SITE.**

BLADDER TYPE WATER STORAGE TANKS AVAILABLE UPON REQUEST.

PATENTED • PATENTS PENDING

<sup>1</sup> APPLICATIONS MAY REQUIRE BOOSTER PUMP AND/OR BLADDER STORAGE TANK.