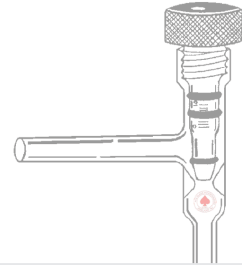




# 90° SIDE-ARM STOPCOCK HIGH VACUUM VALVES

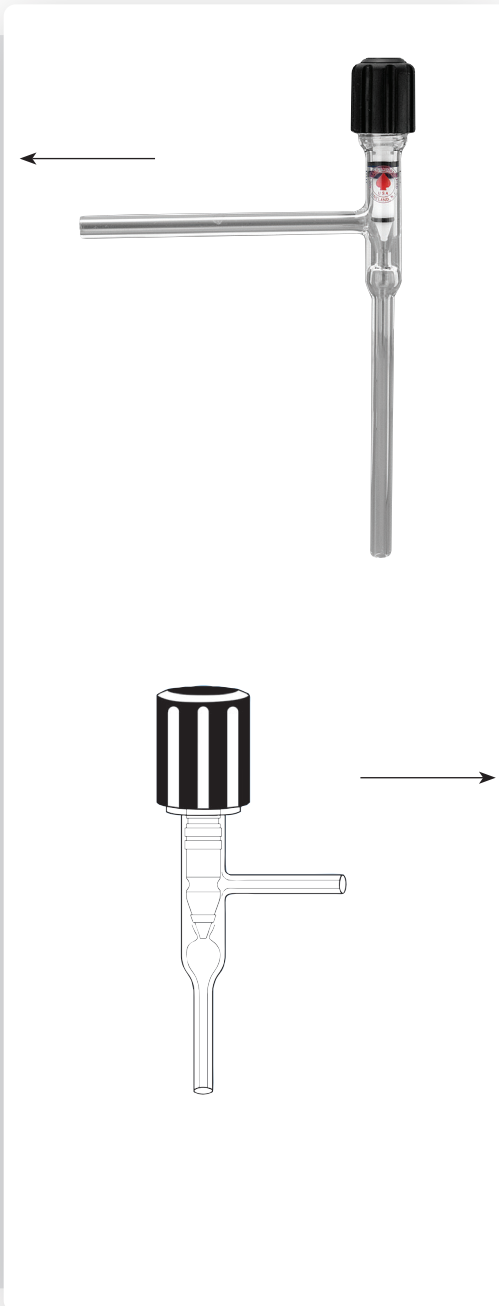
Smooth acting hi-vacuum valve permits fine adjustment of opening and reference marks on body aid in repetitive setting. Front ring seal makes a positive closure against a precision-formed heavy glass seat. TEF-CAP O-Ring model is provided when seals may contact or have exposure to highly corrosive materials or gases.



## Easy Action Stopcock Plug

- Plug and handle variations:
  - Bakeable PTFE with PTFE handle,
  - PTFE with UHDPE handle, and
  - Glass with nylon handle
- Max vacuum:  $10^{-5}$  torr (Glass plug)  
 $10^{-7}$  torr (PTFE plug)  
 $10^{-9}$  torr (PTFE plugs baked @ 230°C for 2hrs)
- FETFE O-Ring Plug Seal
- Internal Ace-Thread eliminates the chance of material getting into the valve
- Multiple internal FETFE O-Rings provide tight seals

Bore Size, mm	Sidearm O.D., mm	Plug Material	Handle Material	Order Code
0-3	8	PTFE	Nylon	8195-04
		PTFE	PTFE	8195-45
		PTFE	UHDPE	8195-236
0-4	8	PTFE	Nylon	8195-09
		PTFE	PTFE	8195-43
		PTFE	UHDPE	8195-238
0-5	9.5	PTFE	Nylon	8195-21
		PTFE	PTFE	8195-46
		Glass	Nylon	8195-61
0-8	11	PTFE	UHDPE	8195-240
		PTFE	Nylon	8195-12
		PTFE	PTFE	8195-44
0-10	12.7	PTFE	UHDPE	8195-242
		PTFE	Nylon	8195-23
		PTFE	PTFE	8195-47
0-15	19	Glass	Nylon	8195-63
		PTFE	UHDPE	8195-244
		PTFE	Nylon	8195-24
0-15	19	PTFE	PTFE	8195-48
		PTFE	UHDPE	8195-246



## Easy Action Stopcock with Tef-Cap O-Rings

- Tef-Cap O-Ring seals that eliminate exposure to corrosive materials
- Max vacuum:  $10^{-7}$  torr
- Reference marks on body aid in repetitive setting
- Integrated PTFE O-Ring plug seal, *not* bakeable. Seals are not replaceable. (See replacement plugs below.)
- Internal Ace-Thread eliminates the chance of material getting into the valve

Bore Size, mm	Sidearm O.D., mm	Order Code
0-3	8	8190-13
0-4	8	8190-14
0-5	9.5	8190-15
0-8	11	8190-18
0-10	12.7	8190-20

### Replacement Plugs

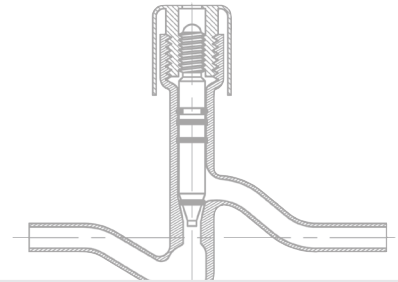
Bore Size, mm	Order Code
0-3	8189-43
0-4	8189-43
0-5	8189-45
0-8	8189-45
0-10	8189-50



# STRAIGHT-THRU STOPCOCK

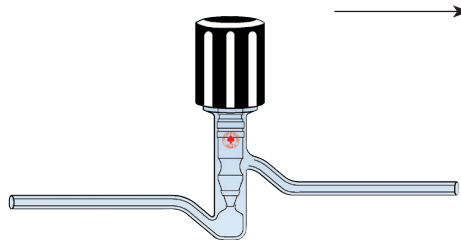
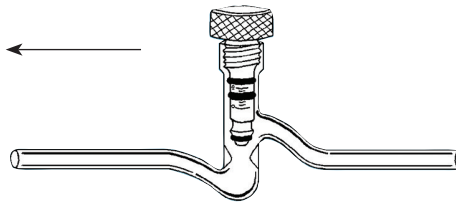
# HIGH VACUUM VALVES

Smooth acting hi-vacuum valve permits fine adjustment of opening and reference marks on body aid in repetitive setting. Front ring seal makes a positive closure against a precision-formed heavy glass seat. TEF-CAP O-Ring model is provided when seals may contact or have exposure to highly corrosive materials or gases.



## Easy Action Stopcock Plug w/FETFE O-Rings

- Plug and handle variations:
  - Bakeable PTFE with PTFE handle,
  - PTFE with UHDPE handle, and
  - Glass with nylon handle
- Max vacuum:
  - 10<sup>-5</sup> torr (Glass plug)
  - 10<sup>-7</sup> torr (PTFE plug)
  - 10<sup>-9</sup> torr (PTFE plugs baked @ 230°C for 2hrs)
- FETFE O-Ring Plug Seal
- Internal Ace-Thread eliminates the chance of material getting into the valve
- Multiple internal FETFE O-Rings provide tight seals



Bore Size, mm	Sidearm O.D., mm	Plug Material	Handle Material	Order Code
0-3	8	PTFE	PTFE	8194-90
		PTFE	UHDPE	8194-224
0-4	8	PTFE	PTFE	8194-83
		PTFE	UHDPE	8194-226
		Glass	Nylon	8194-67
0-5	9.5	PTFE	PTFE	8194-91
		PTFE	UHDPE	8194-228
0-8	11	PTFE	PTFE	8194-84
		PTFE	UHDPE	8194-230
		Glass	Nylon	8194-69
0-10	12.7	PTFE	PTFE	8194-92
		PTFE	UHDPE	8194-232
0-15	19	PTFE	PTFE	8194-93
		PTFE	UHDPE	8194-234

## Easy Action Stopcock w/Tef-Cap O-Rings

- Tef-Cap O-Ring seals that eliminate exposure to corrosive materials
- Max vacuum: 10<sup>-7</sup> torr
- Reference marks on body aid in repetitive setting
- Integrated PTFE O-Ring plug seal, *not* bakeable. Seals are not replaceable. (See replacement plugs below.)
- Internal Ace-Thread eliminates the chance of material getting into the valve

Bore Size, mm	Order Code
0-3	8189-03
0-4	8189-04
0-5	8189-05
0-8	8189-08
0-10	8189-10

### Replacement Plugs

Bore Size, mm	Order Code
0-3	8189-43
0-4	8189-43
0-5	8189-45
0-8	8189-45
0-10	8189-50



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