

#2020-15K

Date: June 1, 2020
To: Engineered Systems Distributors
From: Product Management
Subject: Revised ADS™ Clean Agent System Nozzle Part Numbers

Please instruct your Sales, Design, Purchasing, Installation and Service personnel to read the below carefully and take action as required

Effective immediately, we are consolidating all current Kidde Fire Systems and legacy Fenwal Protection Systems HFC-227ea Clean Agent Advance Delivery System (ADS™) nozzle part numbers in order to simplify the ordering process. See Table 1.

Table 1: ADS Nozzle Part Numbers

Nozzle Size	Discharge Pattern	Replaced Nozzle P/Ns		New Nozzle P/Ns
		Kidde ADS w/ HFC-227ea	Fenwal ADS w/ HFC-227ea	Kidde ADS w/ HFC-227ea
½" NPT	180°	90-194413-2XX	93-194413-2XX	85-194413-2XX
¾" NPT	180°	90-194414-2XX	93-194414-2XX	85-194414-2XX
1" NPT	180°	90-194415-2XX	93-194415-2XX	85-194415-2XX
1 ¼" NPT	180°	90-194416-2XX	93-194416-2XX	85-194416-2XX
1 ½" NPT	180°	90-194417-2XX	93-194417-2XX	85-194417-2XX
2"	180°	90-194418-2XX	93-194418-2XX	85-194418-2XX
½" NPT	360°	90-194423-2XX	93-194423-2XX	85-194423-2XX
¾" NPT	360°	90-194424-2XX	93-194424-2XX	85-194424-2XX
1" NPT	360°	90-194425-2XX	93-194425-2XX	85-194425-2XX
1 ¼" NPT	360°	90-194426-2XX	93-194426-2XX	85-194426-2XX
1 ½" NPT	360°	90-194427-2XX	93-194427-2XX	85-194427-2XX
2"	360°	90-194428-2XX	93-194428-2XX	85-194428-2XX

Notes:

1. ADS nozzle part numbers using 3M™ Novec™ Fire Protection Fluid remain unchanged.
2. All nozzles above are constructed of Stainless Steel. Brass ADS nozzles have been discontinued.



Figure 1: ADS 360° Nozzle



Figure 2: ADS 180° Nozzle

Revised Tools & Material

The following tools and collateral have been revised and are available for download at our [Distributor Extranet](#).

- Flow Calculation Software tool version KFS v4.00.842.465. Please use this build for all your future flow calculations. This build includes the enhancements below.
 - ADS
 - New nozzle part numbers automatically selected for all new calculations
 - Updated calculation of N2 restrictor quantity on parts report of ADS systems
 - Updated calculation for maximum concentration on 'Enclosure Report'
 - ECS™
 - Corrected part number of ECS-500™, 200 lb. cylinder
 - Stainless steel nozzles for ECS HFC-227ea are now enabled
 - Updated calculation for maximum concentration on 'Enclosure Report'
 - Inert Gases
 - New Natura™ Inert Gas System IG-55 and IG-100 added for demo and pre-launch training purposes
- Data Sheet K-85-107 dated March 2020
- ADS tab in Engineered and Full Line Distributor price lists effective June 01, 2020
- DIOM Manual addendum P/N 06-237737-001 dated January 2020

We will have a separate announcement of the following material currently being revised:

- Bill of Material Generator tool

Appendix 1 Nozzle Equivalence “To Whom It May Concern”

Please use Appendix 1 if you are requested to establish the equivalence between the new and original part numbers with FPEs and consulting engineers.

Questions or Concerns

If you have any questions or concerns, please contact us at:

Sales	Domestic , International
Product Management:	(508) 881-2000
Customer Service:	(508) 881-2000
	Domestic_CS@carrier.com
	International_CS@carrier.com
Applications Engineering	(866) 287-2531
	Kidde_Applications@carrier.com
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	Kidde_TechSupport@carrier.com

Appendix 1

May 29, 2020

To Whom It May Concern

Kidde Fire Systems has issued suppression system flow calculation software KFS v4.00.842.465.

This version of flow calculation software included new ADS™ nozzle part numbers launched via Bulletin 2020-15K dated May 29, 2020.

The new nozzles have the same function and the same orifice areas as the original nozzles and are interchangeable with the original nozzles within the size and discharge pattern limits established in Table 1 below:

Nozzle Size	Discharge Pattern	Replaced Nozzle P/Ns		New Nozzle P/Ns
		Kidde ADS w/ HFC-227ea	Fenwal ADS w/ HFC-227ea	Kidde ADS w/ HFC-227ea
½" NPT	180°	90-194413-2XX	93-194413-2XX	85-194413-2XX
¾" NPT	180°	90-194414-2XX	93-194414-2XX	85-194414-2XX
1" NPT	180°	90-194415-2XX	93-194415-2XX	85-194415-2XX
1 ¼" NPT	180°	90-194416-2XX	93-194416-2XX	85-194416-2XX
1 ½" NPT	180°	90-194417-2XX	93-194417-2XX	85-194417-2XX
2"	180°	90-194418-2XX	93-194418-2XX	85-194418-2XX
½" NPT	360°	90-194423-2XX	93-194423-2XX	85-194423-2XX
¾" NPT	360°	90-194424-2XX	93-194424-2XX	85-194424-2XX
1" NPT	360°	90-194425-2XX	93-194425-2XX	85-194425-2XX
1 ¼" NPT	360°	90-194426-2XX	93-194426-2XX	85-194426-2XX
1 ½" NPT	360°	90-194427-2XX	93-194427-2XX	85-194427-2XX
2"	360°	90-194428-2XX	93-194428-2XX	85-194428-2XX

For any technical questions regarding information in this Appendix, please contact:

Technical Support: (866) 287-2531
Kidde_TechSupport@carrier.com